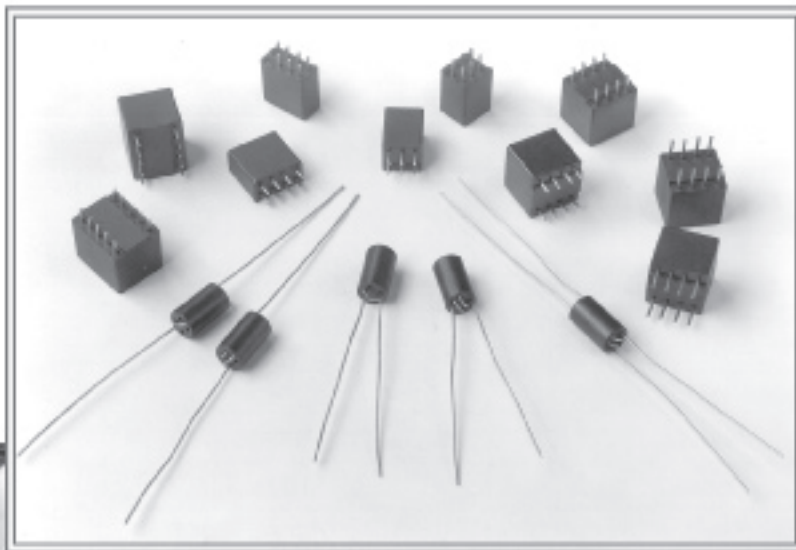
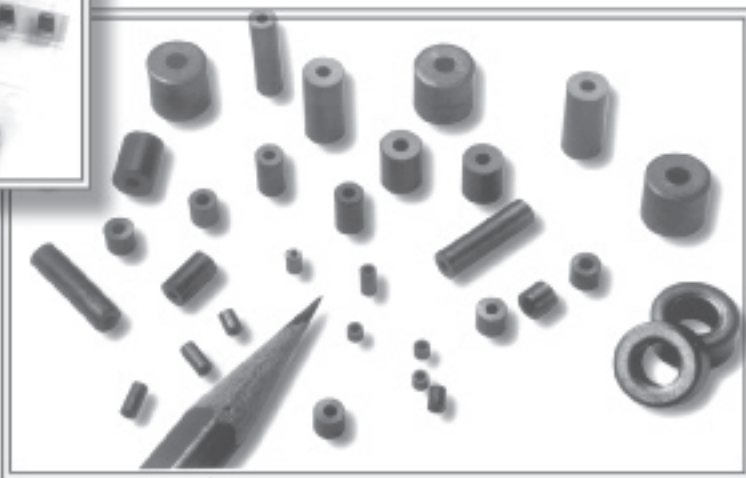




Board Components



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Engineering Kits

Expanded Cable & Suppressor Kit

Part Number 0199000005

This is our most popular engineering kit. As the name implies, this kit contains a broad sampling of suppression cores to reduce conducted EMI over wires and cables.

Chip Bead Kit

Part Number 0199000018

The chip bead kit has a number of different EIA size chip components with a range of impedance values and signal speeds. Also one of our chip arrays is included in this kit. Parts are RoHS compliant.

Shield Bead Kit

Part Number 0199000019

The shield bead kit has 28 different beads in three suppression materials, 73, 43, and 61.

Antenna/RFID Kit

Part Number 0199000024

The kit contains a range of rods in three low losses, high Q, materials, 78, 61 and 67, to cover frequencies from 10 kHz to 50 MHz.

Surface Mount Bead Kit

Part Number 0199000025

An assortment of surface mount beads for differential and common-mode applications in 73 material for < 50 MHz, 43/44 material for 25-300 MHz and 52/61 material for 250-1000 MHz frequencies. Parts are RoHS compliant.

Wound Bead Kit

Part Number 0199000027

The wound bead kit has twelve wound beads in two suppression materials, 44 and 61, wound in several winding configurations. Parts are RoHS compliant.

Bead-On-Lead Kit

Part Number 0199000028

This bead-on-lead kit has three parts each in three materials, 73, 43 and 61, for through hole applications. Parts are RoHS compliant.

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Engineering Kits

Rod Kit (52 Matl)

Part Number 0199000029

A new rod kit in the new 52 material. Samples of seven sizes intended for open circuit applications that require a ferrite material with high saturation and Curie temperature.

31 Snap-It Kit

Part Number 0199000030

This 31 material snap-it kit has a range parts for different cable diameters. Suggested operating frequency 1-300 MHz.

43 Snap-It Kit

Part Number 0199000031

Snap-it assemblies suitable for the 25-300 MHz frequency range. Can accommodate cable diameters from .250 to .590 inches.

46 Core and Snap-It Kit

Part Number 0199000032

This kit has a selection of cable cores and snap-its in our new economical 46 material. This material has similar performance as our 43/44 grade materials over the 25-300 MHz frequency range.

61 Snap-It Kit

Part Number 0199000033

Our recommendation for suppressing conducted EMI in 200-1000 MHz is the 61 material. This kit has a selection of 61 snap-its.

Chip Inductor Kit

Part Number 0199000035

The chip inductor kit has several EIA sizes in both ferrite and ceramic chip inductors. Parts are RoHS compliant.

Multi-Aperture Core Kit

Part Number 0199000036

Kit contains several sizes in four materials, 73, 43, 61 and 67. This allows experimentation from a few kHz into the 50-100 MHz range.

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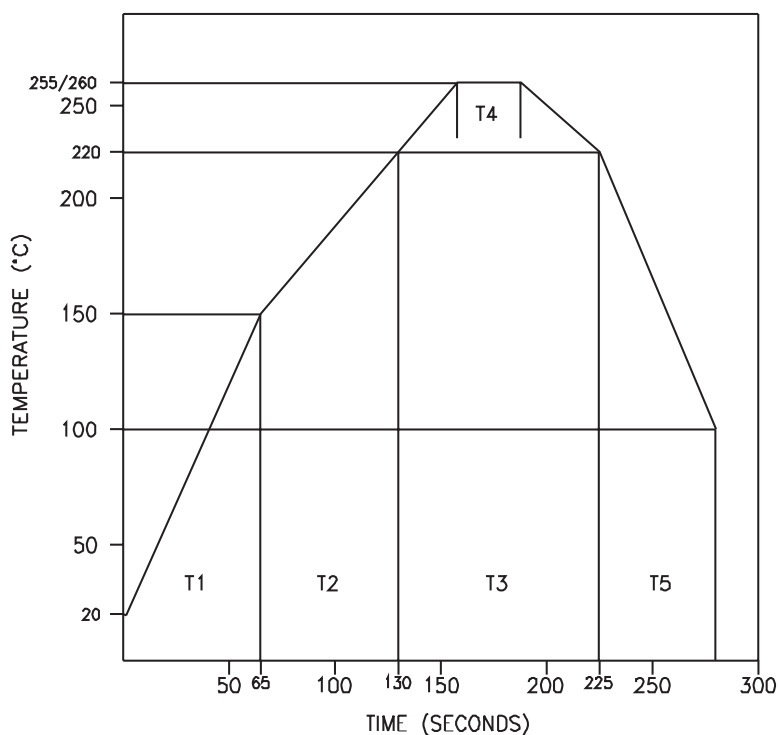
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Solder Profile

REFLOW SOLDER PROFILE FOR LEAD-FREE COMPONENTS



T1 - Pre Heat	50 - 80 Seconds
T2 - Soak Time	60 - 90 Seconds
T3 - Time Above 220°C	60 - 150 Seconds
T4 - Reflow Solder Time	20 - 40 Seconds
T5 - Cool Down	40 Seconds Minimum

Times might be adjusted to accommodate component size

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PC Beads (Surface Mount)

Surface mount PC Beads are supplied in two suppression materials. SMPC Beads are available for 3, 4 and 5 line designs in the high resistivity 44 material for broadband applications and for the higher frequencies in the new 52 material grade.

Surface mount PC Beads are supplied taped and reeled on 13" reels per EIA 481 and IEC 60286 standards. These beads can also be supplied not taped and reeled and then are bulk packed. This packing method will change the last digit of the part number to a "6".

- The flat wire conductors are oxygen free high conductivity copper, 0.30 x 0.65 mm (.012 x .025"), and a lead-free tin coating. If required SMPC Beads can be supplied with same size copper conductors but with a tin/lead coating. See page 28 for suggested solder profile for lead-free components
- The SMPC Beads can withstand a minimum breakdown voltage of 750 Vdc between wires. Leads co-planarity is < 0.10 mm (.004").
- SMPC Beads are controlled for impedance only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies.
The minimum guaranteed impedance is the listed impedance less 20%.
The 44 material beads are measured on the 4193A vector Impedance Analyzer. The 52 beads are tested for impedance on the 4191A RF Impedance Analyzer.
- SMPC Beads meet the solderability specifications when tested in accordance with MIL-STD-202, method 208.
- After preheating the SMPC Beads to within 100 °C of the soldering temperature, the beads will meet the resistance to soldering requirements of EIA-186-10E, temperature 260 +/- 5 °C and time of 10 +/- 1 seconds.
- Recommended storage and operating temperature range is -55 °C to 125 °C.
- Suggested land patterns are in accordance with the latest revision of IPC-7351.
- The maximum current rating for the SMPC Beads is 5 amps. The flat wire cross-sectional area is 5% less than the 24 AWG wire size.
- For equivalent PC Beads for through hole designs see pages 36 and 37.
- Performance curves of all SMPC Beads are compiled on the Fair-rite Products CD-ROM.
- Explanation of Part Numbers: Digits 1&2 = product class, 3&4 = material grade, last digit 6 = bulk packed, 7 = taped and reeled.

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PC Beads (Surface Mount)

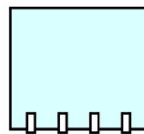
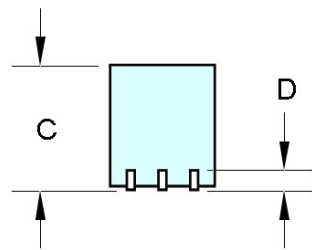
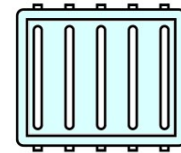
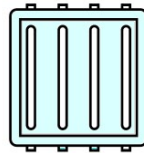
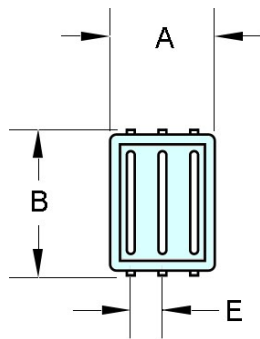
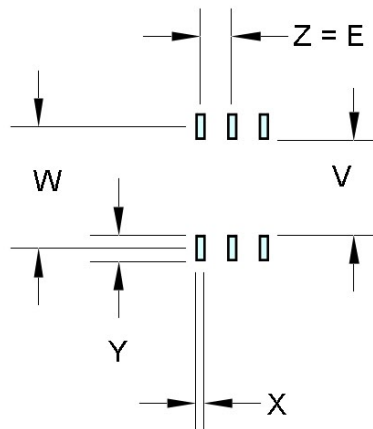


Figure 1

Figure 2

Figure 3



Land Pattern

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PC Beads (Surface Mount)

Broadband Frequencies 10-300 MHz (44 material)

Dimensions (Bold numbers are in millimeters, light numbers are nominal in inches.)

Part Number	Fig.	A	B max	C max	D	E	Wt (g)	Tape Width mm	Pitch mm	Parts/Reel
2744776147	1	8.0 - 0.35 .308	8.6 .338	11.8 .464	2.6±0.6 .102	2.54±0.1 .100	2.6	24	16	300
2744786147	1	8.0 - 0.35 .308	8.6 .338	7.0 .275	2.6±0.6 .102	2.54±0.1 .100	1.5	24	16	600
2744778147	2	11.2 - 0.5 .430	6.75 .265	11.8 .464	2.6±0.6 .102	2.54±0.1 .100	2.7	16	20	250
2744788147	2	11.2 - 0.5 .430	6.75 .265	7.0 .275	2.6±0.6 .102	2.54±0.1 .100	1.6	16	20	500
2744778347	2	11.2 - 0.5 .430	12.2 .480	11.8 .464	2.6±0.6 .102	2.54±0.1 .100	7.0	24	20	250
2744788347	2	11.2 - 0.5 .430	12.2 .480	7.0 .275	2.6±0.6 .102	2.54±0.1 .100	3.5	24	20	500
2744770347	3	13.45±0.25 .530	12.2 .480	11.8 .464	2.6±0.6 .102	2.54±0.1 .100	7.4	24	24	200
2744780347	3	13.45±0.25 .530	12.2 .480	7.0 .275	2.6±0.6 .102	2.54±0.1 .100	4.4	24	24	450

Higher Frequencies 250-1000 MHz (52 material)

Part Number	Fig.	A	B max	C max	D	E	Wt (g)	Tape Width mm	Pitch mm	Parts/Reel
2752776147	1	8.0 - 0.35 .308	8.6 .338	11.8 .464	2.6±0.6 .102	2.54±0.1 .100	2.6	24	16	300
2752786147	1	8.0 - 0.35 .308	8.6 .338	7.0 .275	2.6±0.6 .102	2.54±0.1 .100	1.5	24	16	600
2752778147	2	11.2 - 0.5 .430	6.75 .265	11.8 .464	2.6±0.6 .102	2.54±0.1 .100	2.7	16	20	250
2752788147	2	11.2 - 0.5 .430	6.75 .265	7.0 .275	2.6±0.6 .102	2.54±0.1 .100	1.6	16	20	500
2752778347	2	11.2 - 0.5 .430	12.2 .480	11.8 .464	2.6±0.6 .102	2.54±0.1 .100	7.0	24	20	250
2752788347	2	11.2 - 0.5 .430	12.2 .480	7.0 .275	2.6±0.6 .102	2.54±0.1 .100	3.5	24	20	500
2752770347	3	13.45±0.25 .530	12.2 .480	11.8 .464	2.6±0.6 .102	2.54±0.1 .100	7.4	24	24	200
2752780347	3	13.45±0.25 .530	12.2 .480	7.0 .275	2.6±0.6 .102	2.54±0.1 .100	4.4	24	24	450

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PC Beads (Surface Mount)

Broadband Frequencies 10-300 MHz (44 material)

Part Number	Typical Impedance(Ω)				Max Rdc(m Ω)	Land Pattern Dimensions				
	10 MHz	25 MHz ⁺	100 MHz ⁺	250 MHz		V	W (ref.)	X	Y	Z
2744776147	115	188	288	305	3.0	2.0 .079	6.0 .236	1.0 .039	4.0 .158	2.54 .100
2744786147	66	95	150	155	1.9	2.0 .079	6.0 .236	1.0 .039	4.0 .158	2.54 .100
2744778147	115	188	288	305	3.0	2.0 .079	5.0 .197	1.0 .039	3.0 .118	2.54 .100
2744788147	66	95	150	155	1.9	2.0 .079	5.0 .197	1.0 .039	3.0 .118	2.54 .100
2744778347	142	219	338	335	3.5	5.0 .197	9.5 .374	1.0 .039	4.5 .177	2.54 .100
2744788347	76	110	175	180	2.4	5.0 .197	9.5 .374	1.0 .039	4.5 .177	2.54 .100
2744770347	142	219	338	335	3.5	5.0 .197	9.5 .374	1.0 .039	4.5 .177	2.54 .100
2744780347	76	110	175	180	2.4	5.0 .197	9.5 .374	1.0 .039	4.5 .177	2.54 .100

Higher Frequencies 250-1000 MHz (52 material)

Part Number	Typical Impedance(Ω)				Max Rdc(m Ω)	Land Pattern Dimensions				
	100 MHz	250 MHz ⁺	500 MHz ⁺	1000 MHz		V	W (ref.)	X	Y	Z
2752776147	270	380	345	250	3.0	2.0 .079	6.0 .236	1.0 .039	4.0 .158	2.54 .100
2752786147	125	180	180	170	1.9	2.0 .079	6.0 .236	1.0 .039	4.0 .158	2.54 .100
2752778147	270	380	345	250	3.0	2.0 .079	5.0 .197	1.0 .039	3.0 .118	2.54 .100
2752788147	125	180	180	175	1.9	2.0 .079	5.0 .197	1.0 .039	3.0 .118	2.54 .100
2752778347	320	460	395	300	3.5	5.0 .197	9.5 .374	1.0 .039	4.5 .177	2.54 .100
2752788347	150	220	220	210	2.4	5.0 .197	9.5 .374	1.0 .039	4.5 .177	2.54 .100
2752770347	320	460	395	300	3.5	5.0 .197	9.5 .374	1.0 .039	4.5 .177	2.54 .100
2752780347	150	220	220	210	2.4	5.0 .197	9.5 .374	1.0 .039	4.5 .177	2.54 .100

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⁺ Test frequency

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SM Beads (Differential-Mode)

Surface mount beads are available from Fair-Rite in several materials and sizes. Their rugged construction lowers the dc resistance and increases current carrying capacity compared to plated beads.

- SM Beads on 12mm tape width are supplied taped and reeled per EIA 481-1 and IEC 60286-3 standards. SM Beads on 16 and 24mm tape widths are supplied taped and reeled per EIA 481-2 and IEC 60286-3 standards. Taped and reeled parts are supplied on a 13" reel.
- SM Beads can also be supplied not taped and reeled and then are bulk packed. This packing method will change the last digit of the part number to a "6".
- The copper conductors have a lead-free tin coating. If required SM Beads can be supplied with copper conductors having a tin/lead coating. See page 28 for suggested solder profile for lead-free components.
- SM Beads meet the solderability specifications when tested in accordance with MIL-STD-202, method 208. After dipping the mounting site of the bead, the solder surface shall be at least 95% covered with a smooth solder coating. The edges of the copper strip are not specified as solderable surfaces.
- After preheating the beads to within 100 °C of the soldering temperature, the parts meet the resistance to soldering requirements of EIA-186-10E, temperature 260±5 °C and time 10±1 seconds.
- Suggested land patterns are in accordance with the latest revision of IPC-7351.
- SM Beads are controlled for impedance limits only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies.
The minimum guaranteed impedance is the listed value less 20%.
SM Beads in 73, 43 and 44 materials are measured for impedance on the 4193 Vector Impedance Analyzer. The 52 and 61 SM Beads are tested for impedance on the 4191A RF Impedance Analyzer.
- Recommended storage and operation temperature is -55 °C to 125 °C.
- The maximum current rating for these SM Beads is 5 amps.
- Performance curves of all the SM Beads are compiled on the Fair-Rite Products CD-ROM.
- For any SM Bead requirement not listed, please contact our customer service group for availability and pricing.
- Our "Surface Mount Bead Kit" (part number 0199000025) is available for prototype evaluation. See page 67.
- Explanation of Part Numbers: Digits 1&2 = product class, 3&4 = material grade, last digit 6 = bulk packed, 7 = taped and reeled.

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SM Beads (Differential-Mode)

Lower Frequencies < 50 MHz (73 material)

Dimensions (Bold numbers are in millimeters, light numbers are nominal in inches.)

Part Number	Fig.	A	B	C	D	E	Wt (g)	Tape Width mm	Pitch mm	Parts/Reel
2773019447	1	2.85±0.2 .112	3.05±0.1 .120	5.1 - 0.85 .184	1.5±0.5 .059	—	.15	12	8	2800
2773021447	1	2.85±0.2 .112	3.05±0.1 .120	9.6 - 0.95 .359	1.5±0.5 .059	—	.30	16	8	2800
2773037447	1	2.70±0.2 .106	4.6±0.2 .181	9.25 - 0.7 .350	1.4±0.4 .055	—	.45	16	8	2800
2773044447	1	1.75 Max. .068 Max.	3.1±0.1 .122	5.65±0.45 .222	1.55±0.5 .061	—	.09	12	8	4500

Broadband Frequencies 25-300 MHz (43 & 44 material)

Dimensions (Bold numbers are in millimeters, light numbers are nominal in inches.)

Part Number	Fig.	A	B	C	D	E	Wt (g)	Tape Width mm	Pitch mm	Parts/Reel
2743019447	1	2.85±0.2 .112	3.05±0.1 .120	5.1 - 0.85 .184	1.5±0.5 .059	—	.15	12	8	2800
2743021447	1	2.85±0.2 .112	3.05±0.1 .120	9.6 - 0.95 .359	1.5±0.5 .059	—	.30	16	8	2800
2743037447	1	2.70±0.2 .106	4.6±0.2 .181	9.25 - 0.7 .350	1.4±0.4 .055	—	.45	16	8	2800
2744044447	1	1.75 Max. .068 Max.	3.1±0.1 .122	5.65±0.45 .222	1.55±0.5 .061	—	.09	12	8	4500
2744040447	2	1.95 Max. .076 Max.	4.5±0.2 .177	6.4 - 0.6 .240	1.4±0.4 .055	1.27±0.05 .050	.14	12	8	4000
2744555567	4	5.0 Max. .197 Max.	5.00±0.25 .197	11.0 Max. .433 Max.	2.5±0.5 .098	—	.96	24	12	1500
2744555577	3	5.0 Max. .197 Max.	5.00±0.25 .197	11.0 Max. .433 Max.	2.5±0.5 .098	—	.96	24	12	1500

Higher Frequencies 250-1000 MHz (52 & 61 material)

Dimensions (Bold numbers are in millimeters, light numbers are nominal in inches.)

Part Number	Fig.	A	B	C	D	E	Wt (g)	Tape Width mm	Pitch mm	Parts/Reel
2761019447	1	2.85±0.2 .112	3.05±0.1 .120	5.1 - 0.85 .184	1.5±0.5 .059	—	.15	12	8	2800
2761021447	1	2.85±0.2 .112	3.05±0.1 .120	9.6 - 0.95 .359	1.5±0.5 .059	—	.30	16	8	2800
2752555567	4	5.0 Max. .197 Max.	5.00±0.25 .197	11.0 Max. .433 Max.	2.5±0.5 .098	—	.96	24	12	1500
2752555577	3	5.0 Max. .197 Max.	5.00±0.25 .197	11.0 Max. .433 Max.	2.5±0.5 .098	—	.96	24	12	1500

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SM Beads (Differential-Mode)

Lower Frequencies < 50 MHz (73 material)

Part Number	Typical Impedance(Ω)				Max Rdc(m Ω)	Land Pattern Dimensions				
	1 MHz	5 MHz	10 MHz ⁺	25 MHz ⁺		V	W (ref.)	X	Y	Z
2773019447	12	25	31	40	0.8	1.0 .040	4.0 .157	1.8 .071	3.0 .118	—
2773021447	25	50	60	78	1.2	4.5 .177	7.5 .295	1.8 .071	3.0 .118	—
2773037447	25	50	60	78	1.2	5.0 .197	8.0 .315	1.8 .071	3.0 .118	—
2773044447	9	19	25	33	1.1	1.5 .059	4.5 .177	1.8 .071	3.0 .118	—

Broadband Frequencies 25-300 MHz (43 & 44 material)

Part Number	Typical Impedance(Ω)				Max Rdc(m Ω)	Land Pattern Dimensions				
	10 MHz	25 MHz ⁺	100 MHz ⁺	250 MHz		V	W (ref.)	X	Y	Z
2743019447	18	29	47	49	0.8	1.0 .040	4.0 .157	1.8 .071	3.0 .118	—
2743021447	37	56	95	100	1.2	4.5 .177	7.5 .295	1.8 .071	3.0 .118	—
2743037447	37	56	95	100	1.2	5.0 .197	8.0 .315	1.8 .071	3.0 .118	—
2744044447	13	21	36	39	1.1	1.5 .059	4.5 .177	1.8 .071	3.0 .118	—
2744040447	18	29	56	60	1.6	1.8 .071	4.8 .189	0.8 .032	3.0 .118	1.27 .050
2744555567	150	250	375	385	3.8	2.0 .079	7.0 .276	2.0 .079	5.0 .197	—
2744555577	255	425	600	575	6.2	2.0 .079	7.0 .276	2.0 .079	5.0 .197	—

Higher Frequencies 250-1000 MHz (52 & 61 material)

Part Number	Typical Impedance(Ω)				Max Rdc(m Ω)	Land Pattern Dimensions				
	100 MHz	250 MHz ⁺	500 MHz ⁺	1000 MHz		V	W (ref.)	X	Y	Z
2761019447	36	50	55	59	0.8	1.0 .040	4.0 .157	1.8 .071	3.0 .118	—
2761021447	69	94	106	118	1.2	4.5 .177	7.5 .295	1.8 .071	3.0 .118	—
2752555567	400	490	425	250	3.8	2.0 .079	7.0 .276	2.0 .079	5.0 .197	—
2752555577	700	770	440	250	6.2	2.0 .079	7.0 .276	2.0 .079	5.0 .197	—

+ Test frequency

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SM Beads (Differential-Mode)

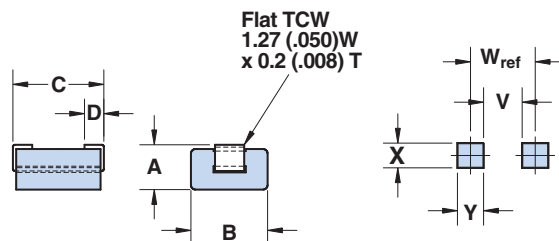


Figure 1

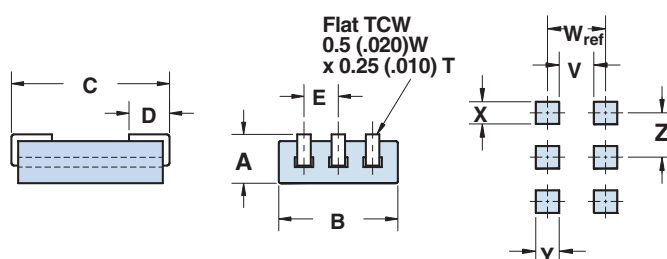
Land Pattern
for Fig. 1

Figure 2

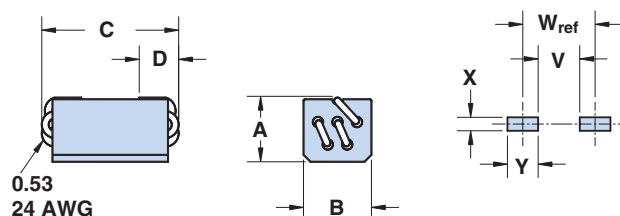
Land Pattern
for Fig. 2
E = Z

Figure 3

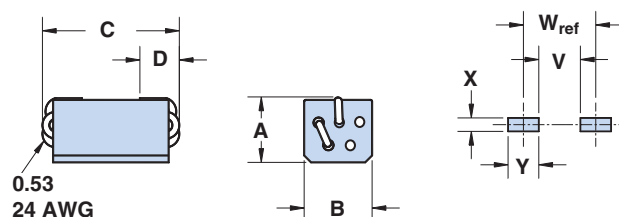
Land Pattern
for Fig. 3

Figure 4

Land Pattern
for Fig. 4

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SM Beads (Common-Mode)

Surface mount common-mode beads are available from Fair-Rite in several materials and sizes. The common-mode bead provides a common magnetic path for the flux generated by the current to the load and the return current from the load. The current compensation results in zero magnetic flux in the bead.

- SM Beads on 12mm tape width are supplied taped and reeled per EIA 481-1 and IEC 60286-3 standards. SM Beads on 16 and 24 mm tape widths are supplied taped and reeled per EIA 481-2 and IEC 60286-3 standards. Taped and reeled parts are supplied on a 13" reel.
- SM Beads can also be supplied not taped and reeled and then are bulk packed. This packing method will change the last digit of the part number to a "6".
- The copper conductors have a lead-free tin coating. If required SM Beads can be supplied with copper conductors having a tin/lead coating. See page 28 for suggested solder profile for lead-free components.
- SM Beads meet the solderability specifications when tested in accordance with MIL-STD-202, method 208. After dipping the mounting site of the bead, the solder surface shall be at least 95% covered with a smooth solder coating. The edges of the copper strip are not specified as solderable surfaces.
- After preheating the beads to within 100 °C of the soldering temperature, the parts meet the resistance to soldering requirements of EIA-186-10E, temperature 260±5 °C and time 10±1 seconds.
- Suggested land patterns are in accordance with the latest revision of IPC-7351.
- SM Beads are controlled for impedance limits only. The impedances listed are typical values. Minimum impedance values are specified for the + marked frequencies.
The minimum guaranteed impedance is the listed value less 20%.
SM Beads in 44 materials are measured for impedance on the 4193 Vector Impedance Analyzer. The 52 SM Beads are tested for impedance on the 4191A RF Impedance Analyzer.
- Recommended storage and operation temperature is -55 °C to 125 °C.
- The maximum current rating for these SM Beads is 5 amps.
- Performance curves of all the SM Beads are compiled on the Fair-Rite Products CD-ROM.
- For any SM Bead requirement not listed, please contact our customer service group for availability and pricing.
- Our "Surface Mount Bead Kit" (part number 0199000025) is available for prototype evaluation. See page 67.
- Explanation of Part Numbers: Digits 1&2 = product class, 3&4 = material grade, last digit 6 = bulk packed, 7 = taped and reeled.

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SM Beads (Common-Mode)

Broadband Frequencies 10-300 MHz (44 material)

Dimensions (Bold numbers are in millimeters, light numbers are nominal in inches.)

Part Number	Fig.	A	B	C	D	E	Wt (g)	Tape Width mm	Pitch mm	Parts/Reel
2744041447	1	2.85±0.2 .112	5.6±0.2 .220	5.0 - 0.6 .185	1.35±0.5 .053	2.54±0.1 .100	.30	12	8	2400
2744045447	1	2.85±0.2 .112	5.6±0.2 .220	8.9 - 0.8 .335	1.35±0.5 .053	2.54±0.1 .100	.53	16	8	2400
2744051447	2	4.5 Max. .177 Max.	6.65 Max. .262 Max.	12.0 Max. .472 Max.	2.5±0.5 .098	3.00±0.1 .118	1.0	24	12	1000
2744065447	2	5.3 Max. .209 Max.	7.00 Max. .275 Max.	14.8 Max. .582 Max.	2.5±0.5 .098	3.00±0.1 .118	1.8	24	12	1000

Higher Frequencies 250-1000 MHz (52 material)

Part Number	Fig.	A	B	C	D	E	Wt (g)	Tape Width mm	Pitch mm	Parts/Reel
2752041447	1	2.85±0.2 .112	5.6±0.2 .220	5.0 - 0.6 .185	1.35±0.5 .053	2.54±0.1 .100	.30	12	8	2400
2752045447	1	2.85±0.2 .112	5.6±0.2 .220	8.9 - 0.8 .335	1.35±0.5 .053	2.54±0.1 .100	.53	16	8	2400
2752051447	2	4.5 Max. .177 Max.	6.65 Max. .262 Max.	12.0 Max. .472 Max.	2.5±0.5 .098	3.00±0.1 .118	1.0	24	12	1000
2752065447	2	5.3 Max. .209 Max.	7.00 Max. .275 Max.	14.8 Max. .582 Max.	2.5±0.5 .098	3.00±0.1 .118	1.8	24	12	1000

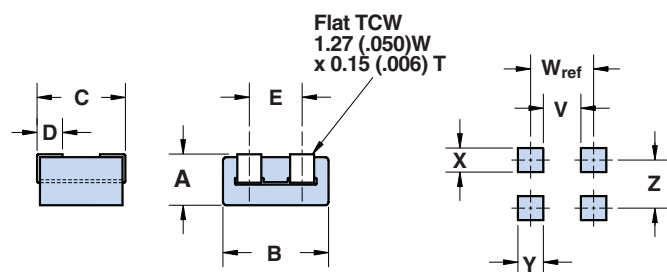


Figure 1
Common-Mode Bead

Land Pattern
for Fig. 1
E = Z

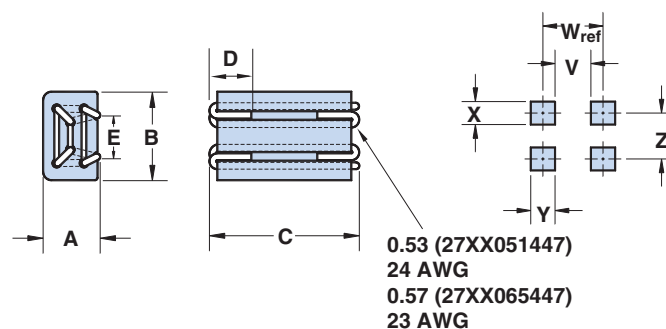


Figure 2
Common-Mode Bead

Land Pattern
for Fig. 2
E = Z

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SM Beads (Common-Mode)

Broadband Frequencies 10-300 MHz (44 material)

Part Number	Typical Impedance(Ω)				Max Rdc(m Ω)	Land Pattern Dimensions				
	10 MHz	25 MHz ⁺	100 MHz ⁺	250 MHz		V	W (ref.)	X	Y	Z
2744041447	12	20	33	41	1.1	1.0 .040	4.0 .157	1.8 .071	3.0 .118	2.54 .100
2744045447	23	38	60	78	1.4	4.0 .158	7.0 .276	1.8 .071	3.0 .118	2.54 .100
2744051447	60	100	230	275 @300MHz	4.0	4.0 .158	9.0 .354	1.0 .040	5.0 .197	3.0 .118
2744065447	95	145	255	375 @300MHz	4.1	6.8 .268	11.8 .465	1.1 .043	5.0 .197	3.0 .118

Higher Frequencies 250-1000 MHz (52 material)

Part Number	Typical Impedance(Ω)				Max Rdc(m Ω)	Land Pattern Dimensions				
	100 MHz	250 MHz ⁺	500 MHz ⁺	1000 MHz		V	W (ref.)	X	Y	Z
2752041447	32	50	63	70	1.1	1.0 .040	4.0 .157	1.8 .071	3.0 .118	2.54 .100
2752045447	58	90	115	130	1.4	4.0 .158	7.0 .276	1.8 .071	3.0 .118	2.54 .100
2752051447	200	330	400	350	4.0	4.0 .158	9.0 .354	1.0 .040	5.0 .197	3.0 .118
2752065447	230	390	460	380	4.1	6.8 .268	11.8 .465	1.1 .043	5.0 .197	3.0 .118

⁺ Test frequency

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Chip Beads

Fair-Rite offers a broad selection of cost effective chip beads to suppress conducted EMI in a wide variety of devices such as cellular phones, computers, laptops, pagers, etc.

The small standard package sizes accommodate automated installation and allow for a dense packaging of circuit boards.

Chip beads are 100% tested for impedance and dc resistance. They are available in standard, high and GHz signal speeds. Chip beads are organized and listed by increasing current carrying capacity.

- All multi-layer chip beads are supplied taped and reeled, if required bulk packed chip beads can be provided. See table on the next page with tape and reel particulars.
- Chip beads are controlled for impedance. The impedance values listed are typical values. A nominal impedance with a +/- 25% tolerance is specified for the + marked frequency.
- Chip beads are measured for impedance on the HP 4291A and fixture HP 16192A.
- Chip beads can accommodate both reflow and wave soldering technologies. See page 28 for the recommended soldering profile for chip components.
- Suggested land patterns are in accordance to the latest revision of IPC-7351.
- Chip beads have plated contacts, 100% tin over a nickel undercoating.
- Recommended storage and operating temperature range is -55°C to 125°C.
- Performance curves for all listed chip beads, with and without dc bias, are on the Fair-Rite Products CD-ROM.
- Our "Chip Bead Kit" (part number 0199000018) is available for prototype evaluation. See page 67.

Part Number System: Example 2512063017Y1

25	1206	301	7	Y	1
Chip Bead Code	Package Size Code	Impedance Code	Packaging Code	Material Code	Current Code
			6= Bulk Packed	Y = Standard Signal Speed	0 < 1.0A
		7= Taped and Reeled 7" Reel		Z = High Signal Speed	1 ≥ 1.0A < 2.0A
		8= Taped and Reeled 13" Reel		H = GHz Speed	3 ≥ 3.0A < 4.0A
					ETC

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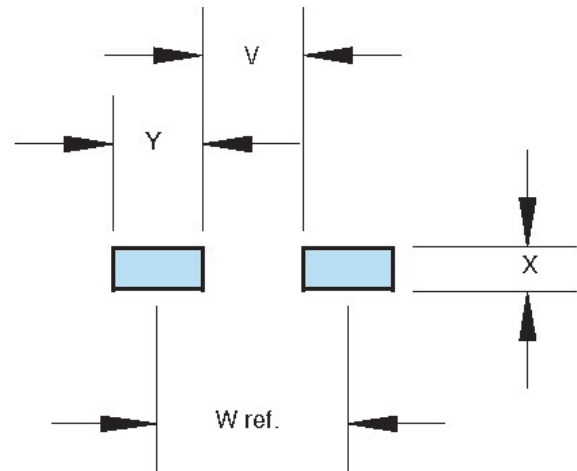
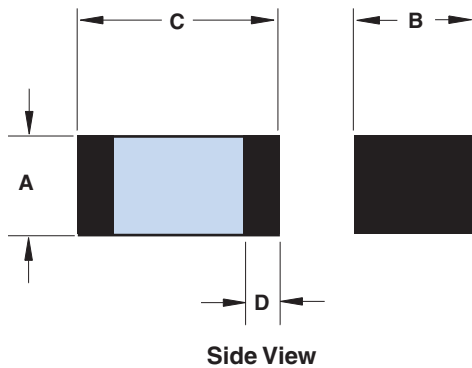
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Chip Beads

Dimensions (Bold numbers are in millimeters, light numbers are in inches.)

Pkg. Size	Dimensions					Land Patterns				Tape Width mm	Pitch mm	Parts per Reel	
	A	B	C	D	Wt(g)	V	W ref	X	Y			7"	13"
0402 (1005)	0.5±0.15 .020	0.5±0.15 .020	1.0±0.15 .040	0.25±0.15 .010	0.002	0.40 .016	1.30 .051	0.70 .028	0.90 .035	8	4	10,000	N/A
0603 (1608)	0.8±0.3 .031	0.8±0.3 .031	1.6±0.15 .063	0.4±0.2 .016	0.006	0.60 .024	1.70 .067	1.00 .039	1.10 .043	8	4	4,000	10,000
0805 (2012)	0.9±0.2 .035	1.25±0.2 .049	2.0±0.2 .079	0.5±0.3 .020	0.01	0.60 .024	1.90 .075	1.50 .059	1.30 .051	8	4	4,000	10,000
1206 (3216)	1.1±0.2 .043	1.6±0.2 .063	3.2±0.2 .126	0.7±0.3 .028	0.03	1.20 .047	2.80 .110	1.80 .071	1.60 .063	8	4	3,000	10,000
1806 (4516)	1.6±0.2 .063	1.6±0.2 .063	4.5±0.2 .177	0.7±0.3 .028	0.06	2.00 .079	3.90 .154	1.80 .071	1.90 .075	12	8	2,000	10,000
1812 (4532)	1.6±0.2 .063	3.2±0.2 .126	4.5±0.2 .177	0.7±0.3 .028	0.09	2.00 .079	3.90 .154	3.40 .134	1.90 .075	12	8	1,000	5,000



Land Pattern

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Chip Beads

Current	Pkg. Size	Signal Speed	Part Number	Z (Ω) 50 MHz	Z (Ω) ±25% 100 MHz ⁺	Z (Ω) 500 MHz	Z (Ω) 1000 MHz	Max.DCR (Ω)	Max Cur. mA
Low	0402 (1005)	Standard	2504021007Y0	8	10	13	14	0.05	500
			2504026007Y0	48	60	79	79	0.4	200
			2504021217Y0	88	120	170	157	0.5	200
			2504023017Y0	234	300	370	264	0.75	100
			2504026017Y0	421	600	652	362	1.1	50
	0603 (1608)	Standard	2506033007Y0	23	30	46	48	0.1	400
			2506036007Y0	45	60	94	82	0.15	400
			2506038007Y0	59	80	121	102	0.15	400
			2506031017Y0	77	100	144	131	0.15	400
			2506031217Y0	90	120	179	142	0.15	400
			2506031517Y0	109	150	224	179	0.15	400
			2506033017Y0	213	300	326	205	0.3	400
			2506036017Y0	426	600	405	226	0.35	400
			2506031027Y0	653	1000	241	110	0.55	300
		High	2506036007Z0	28	60	145	96	0.25	450
			2506031217Z0	60	120	278	192	0.3	450
			2506033017Z0	112	300	314	142	0.35	450
		GHz	2506030707H0	4	7	30	38	0.1	700
			2506031007H0	5	10	43	50	0.1	700
			2506031217H0	50	120	600	500	0.5	200
			2506032217H0	100	220	800	1000	0.8	100
			2506033317H0	150	330	1300	1500	1.2	50
			2506033317H0	150	330	1300	1500	1.2	50
	0805 (2012)	Standard	2508051107Y0	8	11	16	16	0.1	300
			2508053007Y0	22	30	46	49	0.1	300
			2508055007Y0	36	50	73	76	0.15	300
			2508056007Y0	45	60	88	89	0.15	300
			2508059007Y0	68	90	125	107	0.2	300
			2508051017Y0	75	100	134	120	0.2	300
			2508051217Y0	89	120	172	127	0.2	300
			2508051817Y0	134	180	198	111	0.2	300
			2508053017Y0	216	300	161	84	0.25	300
			2508056017Y0	428	600	284	141	0.35	300
			2508051027Y0	688	1000	300	148	0.45	300
			2508051527Y0	989	1500	235	118	0.7	300
		High	2508056007Z0	28	60	111	122	0.15	300
			2508051217Z0	45	120	253	191	0.2	250
			2508053017Z0	118	300	280	139	0.25	200
			2508052027Z0	440	2000	160	80	0.4	200
		GHz	2508050507H0	2	5	17	22	0.07	500

+ Test frequency

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Chip Beads

Current	Pkg. Size	Signal Speed	Part Number	Z (Ω) 50 MHz	Z (Ω) ± 25% 100 MHz ⁺	Z (Ω) 500 MHz	Z (Ω) 1000 MHz	Max.DCR (Ω)	Max Cur. mA
Low	1206 (3216)	Standard	2512063007Y0	21	30	49	52	0.1	800
			2512065007Y0	38	50	68	67	0.15	800
			2512067007Y0	53	70	101	102	0.15	500
			2512069007Y0	72	90	121	113	0.2	450
			2512061017Y0	72	100	127	86	0.2	450
			2512061217Y0	87	120	151	109	0.2	450
			2512063017Y0	203	300	233	118	0.2	350
			2512066017Y0	581	600	116	67	0.25	350
			2512061027Y0	784	1000	230	117	0.35	350
			2512061527Y0	1500	1500	250	200	0.4	350
	1806 (4516)	Standard	2518061017Y0	73	100	153	155	0.3	400
			2518061517Y0	110	150	205	167	0.5	200
Medium	0603 (1608)	Standard	2506033007Y3	23	30	40	41	0.04	3000
			2506036007Y3	48	60	84	81	0.04	3000
			2506031217Y2	90	120	170	152	0.05	2000
	0805 (2012)	Standard	2508053007Y3	23	30	41	41	0.03	3000
			2508056007Y3	49	60	84	84	0.04	3000
			2508051217Y3	91	120	165	135	0.05	3000
			2508053017Y3	239	300	218	117	0.05	3000
			2508056017Y2	449	600	293	159	0.1	2000
			2508051027Y1	764	1000	402	216	0.3	1000
			2508052027Y1	599	2000	350	189	0.3	1000
			2512063007Y3	24	30	40	38	0.03	3000
	1206 (3216)	Standard	2512065007Y3	39	50	69	70	0.03	3000
			2512067007Y3	53	70	102	103	0.04	3000
			2512061517Y3	120	150	173	130	0.05	3000
			2512063017Y3	212	300	150	88	0.06	3000
			2512066017Y1	460	600	260	120	0.08	1000
			2512061027Y1	925	1000	210	117	0.30	1000
			2518066007Y3	44	60	91	94	0.04	3000
	1806 (4516)	Standard	2518068007Y3	64	80	114	114	0.04	3000
			2518127007Y3	54	70	96	96	0.04	3000
	1812 (4532)	Standard	2518121217Y3	92	120	150	106	0.04	3000
			2508056007Y6	47	60	88	68	0.02	6000
High	0805 (2012)	Standard	2508051217Y6	94	120	158	132	0.025	6000
			2512065007Y6	39	50	68	56	0.02	6000
	1206 (3216)	Standard	2512061217Y5	96	120	137	91	0.025	5000
			2518065007Y6	36	50	63	61	0.01	6000
	1806 (4516)	Standard	2518061017Y6	75	100	139	132	0.02	6000
			2518121217Y6	92	120	149	105	0.02	6000
	1812	Standard	2518121217Y6	92	120	149	105	0.02	6000

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Chip Arrays

Fair-Rite offers an effective cost and real estate reduction by our line of chip arrays. Four chip beads, packaged in a 1206 (3216) size, for suppression of conducted EMI where size is at a premium.

Chip arrays are 100% tested for impedance and dc resistance. They are available in standard and high signal speeds.

- Chip arrays have plated contacts, 100% tin over a nickel undercoating.
- Chip arrays are supplied taped and reeled, if required bulk packed arrays can be supplied. For particulars on the taped and reeled parts see the Part Number System below.
- Chip arrays are controlled for impedance. The impedance values listed are typical values. The nominal impedance with a +/- 25% tolerance is specified for the + marked 100 MHz frequency. Chip arrays are measured for impedance on the HP 4291A and fixture HP 16192A.
- The arrays can accommodate both reflow and wave soldering technologies. See page 28 for the recommended soldering profile for lead-free chip components.
- Suggested land patterns are in accordance to the IPC-7351.
- Recommended storage and operating temperature range is -55 °C to 125 °C.
- Performance curves for the chip arrays, with and without dc bias, are on the Fair-Rite Products CD-ROM.
- "Chip Bead Kit" (part number 0199000018) contains the high speed 220 ohm 4 line chip array. See page 67.

Part Number Sytem: Example 2512066007Y0A4

25	1206	600	7	Y	0	A4
Chip Suppression Component	Package Size	Impedance Code	Packaging Code	Material Code	Current Code	Array 4 Lines
		600 = 60 Ω	6 = Bulk Packed 7 = T&R	Y = Std Signal Speed Z = GHz Speed	0 < 1A	

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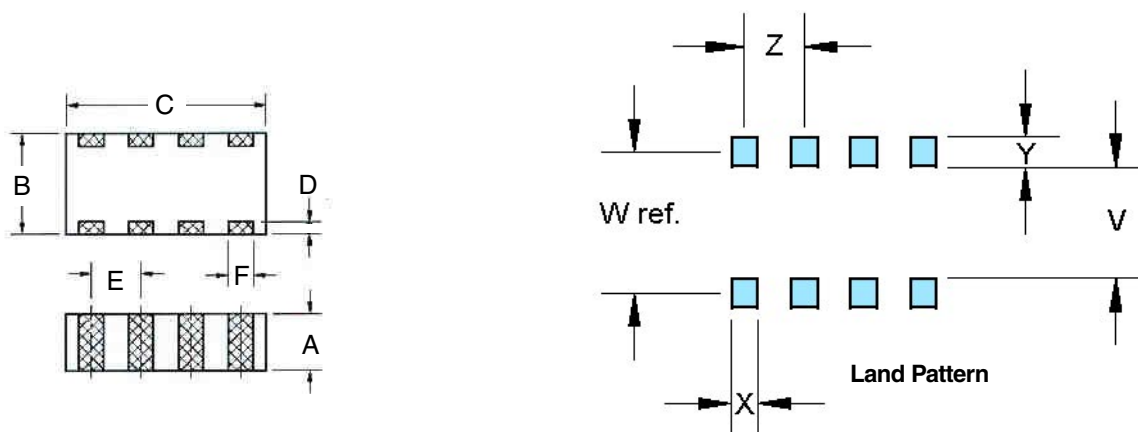
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Chip Arrays



Pkg. Size	Dimensions	A	B	C	D	E	F	Wgt (g)
1206	mm	0.8±0.2	1.6±0.2	3.2±0.2	0.3±0.2	0.8±0.1	0.4±0.15	0.03
	inches	.031	.063	.126	.011	.031	.016	

Land Pattern						Reel Information		
	V	W ref.	X	Y	Z	Tape Width mm	Pitch mm	Parts per 7" reel
mm	0.7	1.3	0.5	0.6	0.8	8	4	3000
inches	.028	.051	.020	.024	.032			

Part Number	Speed	Z (Ω) 50 MHz	Z (Ω) ±25% 100 MHz	Z (Ω) 500 MHz	Z (Ω) 1000 MHz	Max DCR (Ω)	Max Current (mA)
2512066007Y0A4	Standard	48	60	77	75	0.25	200
2512061217Y0A4	Standard	95	120	150	118	0.3	150
2512063017Y0A4	Standard	225	300	280	160	0.3	150
2512066017Y0A4	Standard	460	600	400	205	0.5	100
2512061027Y0A4	Standard	770	1000	400	200	0.7	50
2512061217Z0A4	High Speed	68	120	215	205	0.3	200
2512062217Z0A4	High Speed	95	220	360	205	0.45	150

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Chip Inductors

Multi-Layer chip inductors have complimented our line of chip components. These chip inductors have silk-screened windings on a ferrite or non- magnetic ceramic body which after sintering forms a monolithic structure which is a self shielding, closed magnetic unit.

Chip inductors come in two types, with a ferrite body and with a non-magnetic ceramic core. Both types provide excellent solderability and heat resistance for either flow or reflow soldering processes.

Both chip inductor types are used in tuned applications and for energy storage devices for frequencies in the hundreds of MHz into the GHz range.

- Chip inductors are supplied taped and reeled, if required bulk packed parts can be supplied. See table on the next page for tape and reel particulars.
- Chip inductors are 100% tested for a toleranced inductance and minimum Q at specified test frequencies.
- Suggested land patterns are in accordance to the latest revision of IPC-7351.
- Chip inductors have plated contacts, 100% tin over a nickel undercoating.
- Suggested temperature soldering profile is shown page 28.
- Recommended storage and operating temperature range is -40 °C to +85 °C.
- The Fair-Rite Products CD-ROM has a number of typical performance curves for the ferrite and ceramic multi-layer chip inductors.
- The new "Chip Inductor Kit" (part number 0199000035) contains a cross section of both types of multi-layer chip inductors. See page 68.

Part Number Sytem: Example 2212061R2K7F

22	1206	1R2	K	7	F
Multi-Layer Chip Inductor	Package Size	Inductance Code	Inductance Tolerance	Packaging Code	Material Code
		N = Decimal point for nH (4N7 = 4.7nH = 0.0047μH) (47N = 47nH = 0.047μH) R = Decimal point for μH (>99nH) (R22 = 0.22μH) (2R2 = 2.2μH)	S = ± 0.3nH J = ± 5% K = ± 10% M = ± 20%	6 = Bulk Packed 7 = T&R (7") 8 = T&R (13")	F = Ferrite Body For general signal usage C = Ceramic Body For high frequency usage

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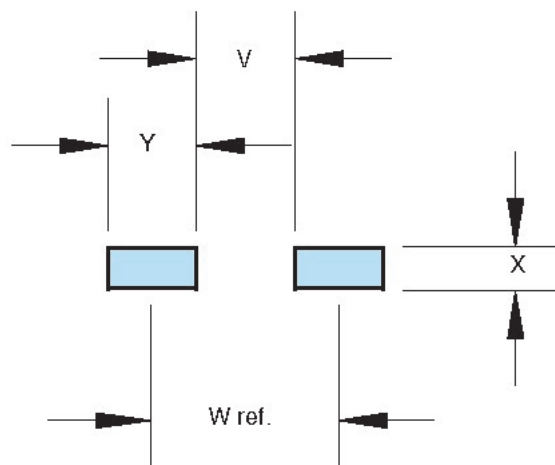
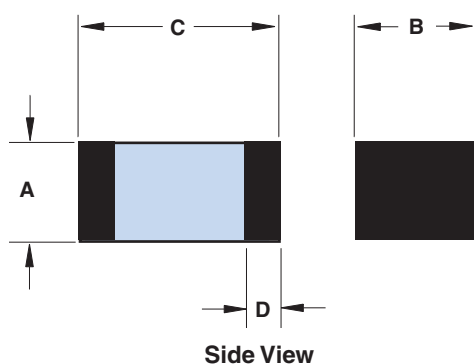
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Chip Inductors



Land Pattern

Dimensions (Bold numbers are in millimeters, light numbers are in inches.)

Pkg. Size	Dimensions					Land Patterns				Tape Width mm	Pitch mm	Parts per Reel	
	A	B	C	D	Wt(g)	V	W ref	X	Y			7"	13"
0402 (1005)	0.5±0.1 .020	0.5±0.1 .020	1.0±0.1 .040	0.25±0.15 .010	0.002	0.40 .016	1.30 .051	0.70 .028	0.90 .035	8	4	10,000	N/A
0603 (1608)	0.8±0.15 .031	0.8±0.15 .031	1.6±0.15 .063	0.4±0.2 .016	0.006	0.60 .024	1.70 .067	1.00 .039	1.10 .043	8	4	4,000	10,000
0805 (2012)	See Part Table	1.25±0.2 .049	2.0±0.2 .079	0.5±0.3 .020	0.01	0.60 .024	1.90 .075	1.50 .059	1.30 .051	8	4	4,000	10,000
1206 (3216)	1.1±0.3 .043	1.6±0.2 .063	3.2±0.2 .126	0.7±0.3 .028	0.03	1.20 .047	2.80 .110	1.80 .071	1.60 .063	8	4	3,000	10,000

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Chip Inductors (Ferrite)

Package Size - 0603

Part Number	Inductance (μ H)	Tolerance	Q Min	Test Frequency L, Q (MHz)	Self Resonant Frequency (Min MHz)	DCR (Ohm) Max	Rated Current (mA Max)
22060347NM7F	0.047	$\pm 20\%$	10	50	260	0.30	50
22060368NM7F	0.068	$\pm 20\%$	10	50	250	0.30	50
22060382NM7F	0.082	$\pm 20\%$	10	50	245	0.30	50
220603R10K7F	0.10	$\pm 10\%$	15	25	240	0.50	50
220603R12K7F	0.12	$\pm 10\%$	15	25	205	0.50	50
220603R15K7F	0.15	$\pm 10\%$	15	25	180	0.60	50
220603R18K7F	0.18	$\pm 10\%$	15	25	165	0.60	50
220603R22K7F	0.22	$\pm 10\%$	15	25	150	0.80	50
220603R27K7F	0.27	$\pm 10\%$	15	25	136	0.80	50
220603R33K7F	0.33	$\pm 10\%$	15	25	125	0.85	35
220603R39K7F	0.39	$\pm 10\%$	15	25	110	1.00	35
220603R47K7F	0.47	$\pm 10\%$	15	25	105	1.35	35
220603R56K7F	0.56	$\pm 10\%$	15	25	95	1.55	35
220603R68K7F	0.68	$\pm 10\%$	15	25	90	1.70	35
220603R82K7F	0.82	$\pm 10\%$	15	25	85	2.10	35
2206031R0K7F	1.0	$\pm 10\%$	35	10	75	0.60	25
2206031R2K7F	1.2	$\pm 10\%$	35	10	65	0.80	25
2206031R5K7F	1.5	$\pm 10\%$	35	10	60	0.80	25
2206031R8K7F	1.8	$\pm 10\%$	35	10	55	0.95	25
2206032R2K7F	2.2	$\pm 10\%$	35	10	50	1.15	15
2206032R7K7F	2.7	$\pm 10\%$	35	10	45	1.35	15
2206033R3K7F	3.3	$\pm 10\%$	35	10	40	1.55	15
2206033R9K7F	3.9	$\pm 10\%$	35	10	35	1.70	15
2206034R7K7F	4.7	$\pm 10\%$	35	10	33	2.10	15
2206035R6K7F	5.6	$\pm 10\%$	35	4	22	1.55	5
2206036R8K7F	6.8	$\pm 10\%$	35	4	20	1.70	5
2206038R2K7F	8.2	$\pm 10\%$	35	4	18	2.10	5
22060310RK7F	10	$\pm 10\%$	30	2	17	1.85	3
22060312RK7F	12	$\pm 10\%$	30	2	15	2.10	3
22060315RK7F	15	$\pm 10\%$	20	1	14	1.70	1

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Chip Inductors (Ferrite)

Package Size - 0805

Part Number	Inductance (μH)	Tolerance	Q Min	Test Frequency L, Q (MHz)	Self Resonant Frequency (Min MHz)	DCR (Ohm) Max	Rated Current (mA Max)	A dim (mm)
22080547NM7F	0.047	± 20%	15	50	320	0.20	300	0.85±0.2 (.033")
22080568NM7F	0.068	± 20%	15	50	280	0.20	300	0.85±0.2 (.033")
22080582NM7F	0.082	± 20%	15	50	255	0.20	300	0.85±0.2 (.033")
220805R10K7F	0.10	± 10%	20	25	235	0.30	250	0.85±0.2 (.033")
220805R12K7F	0.12	± 10%	20	25	220	0.30	250	0.85±0.2 (.033")
220805R15K7F	0.15	± 10%	20	25	200	0.40	250	0.85±0.2 (.033")
220805R18K7F	0.18	± 10%	20	25	185	0.40	250	0.85±0.2 (.033")
220805R22K7F	0.22	± 10%	20	25	170	0.50	250	0.85±0.2 (.033")
220805R27K7F	0.27	± 10%	20	25	150	0.50	250	0.85±0.2 (.033")
220805R33K7F	0.33	± 10%	20	25	145	0.55	250	0.85±0.2 (.033")
220805R39K7F	0.39	± 10%	25	25	135	0.65	200	0.85±0.2 (.033")
220805R47K7F	0.47	± 10%	25	25	125	0.65	200	0.85±0.2 (.033")
220805R56K7F	0.56	± 10%	25	25	115	0.75	150	0.85±0.2 (.033")
220805R68K7F	0.68	± 10%	25	25	105	0.80	150	0.85±0.2 (.033")
220805R82K7F	0.82	± 10%	25	25	100	1.00	150	0.85±0.2 (.033")
2208051R0K7F	1.0	± 10%	45	10	75	0.40	50	0.85±0.2 (.033")
2208051R2K7F	1.2	± 10%	45	10	65	0.50	50	0.85±0.2 (.033")
2208051R5K7F	1.5	± 10%	45	10	60	0.50	50	0.85±0.2 (.033")
2208051R8K7F	1.8	± 10%	45	10	55	0.60	50	0.85±0.2 (.033")
2208052R2K7F	2.2	± 10%	45	10	50	0.65	30	0.85±0.2 (.033")
2208052R7K7F	2.7	± 10%	45	10	45	0.75	30	1.25±0.2 (.049")
2208053R3K7F	3.3	± 10%	45	10	41	0.80	30	1.25±0.2 (.049")
2208053R9K7F	3.9	± 10%	45	10	38	0.90	30	1.25±0.2 (.049")
2208054R7K7F	4.7	± 10%	45	10	35	1.00	30	1.25±0.2 (.049")
2208055R6K7F	5.6	± 10%	50	4	32	0.90	15	1.25±0.2 (.049")
2208056R8K7F	6.8	± 10%	50	4	29	1.00	15	1.25±0.2 (.049")
2208058R2K7F	8.2	± 10%	50	4	26	1.10	15	1.25±0.2 (.049")
22080510RK7F	10	± 10%	50	2	24	1.15	15	1.25±0.2 (.049")
22080512RK7F	12	± 10%	50	2	22	1.25	15	1.25±0.2 (.049")
22080515RK7F	15	± 10%	30	1	19	0.80	5	1.25±0.2 (.049")
22080518RK7F	18	± 10%	30	1	18	0.90	5	1.25±0.2 (.049")
22080522RK7F	22	± 10%	30	1	16	1.10	5	1.25±0.2 (.049")
22080527RK7F	27	± 10%	30	1	14	1.15	5	1.25±0.2 (.049")
22080533RK7F	33	± 10%	30	0.4	13	1.25	5	1.25±0.2 (.049")
22080539RK7F	39	± 10%	35	2	8	2.90	4	1.25±0.2 (.049")
22080547RM7F	47	± 20%	35	2	7.5	3.00	4	1.25±0.2 (.049")

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Chip Inductors (Ferrite)

Package Size - 1206

Part Number	Inductance (μH)	Tolerance	Q Min	Test Frequency L, Q (MHz)	Self Resonant Frequency (Min MHz)	DCR (Ohm) Max	Rated Current (mA Max)
22120647NM7F	0.047	± 20%	20	50	320	0.15	300
22120668NM7F	0.068	± 20%	20	50	280	0.25	300
22120682NM7F	0.082	± 20%	20	50	255	0.25	300
221206R10K7F	0.10	± 10%	20	25	235	0.25	250
221206R12K7F	0.12	± 10%	20	25	220	0.30	250
221206R15K7F	0.15	± 10%	20	25	200	0.30	250
221206R18K7F	0.18	± 10%	20	25	185	0.40	250
221206R22K7F	0.22	± 10%	20	25	170	0.40	250
221206R27K7F	0.27	± 10%	20	25	150	0.50	250
221206R33K7F	0.33	± 10%	20	25	145	0.60	250
221206R39K7F	0.39	± 10%	25	25	135	0.50	200
221206R47K7F	0.47	± 10%	25	25	125	0.60	200
221206R56K7F	0.56	± 10%	25	25	115	0.70	150
221206R68K7F	0.68	± 10%	25	25	105	0.80	150
221206R82K7F	0.82	± 10%	25	25	100	0.90	150
2212061R0K7F	1.0	± 10%	45	10	75	0.40	100
2212061R2K7F	1.2	± 10%	45	10	65	0.50	100
2212061R5K7F	1.5	± 10%	45	10	60	0.50	50
2212061R8K7F	1.8	± 10%	45	10	55	0.50	50
2212062R2K7F	2.2	± 10%	45	10	50	0.60	50
2212062R7K7F	2.7	± 10%	45	10	45	0.60	50
2212063R3K7F	3.3	± 10%	45	10	41	0.70	50
2212063R9K7F	3.9	± 10%	45	10	38	0.80	50
2212064R7K7F	4.7	± 10%	45	10	35	0.90	50
2212065R6K7F	5.6	± 10%	50	4	32	0.70	25
2212066R8K7F	6.8	± 10%	50	4	29	0.80	25
2212068R2K7F	8.2	± 10%	50	4	26	0.90	25
22120610RK7F	10	± 10%	35	2	24	1.00	25
22120612RK7F	12	± 10%	50	2	22	1.05	15
22120615RK7F	15	± 10%	35	1	19	0.70	5
22120618RK7F	18	± 10%	35	1	18	0.70	5
22120622RK7F	22	± 10%	35	1	16	0.90	5
22120627RK7F	27	± 10%	35	1	14	0.90	5
22120633RK7F	33	± 10%	35	0.4	13	1.05	5
22120639RK7F	39	± 10%	40	2	11	3.00	10
22120647RK7F	47	± 10%	40	2	10	3.40	10

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Chip Inductors (Ceramic)

Package Size - 0402

Part Number	Inductance (nH)	Tolerance	Q Min	Test Frequency L, Q (MHz)	Self Resonant Frequency (Min MHz)	DCR (Ohm) Max	Rated Current (mA Max)
2204021N0S7C	1.0	± 0.3 nH	8	100	4000	0.12	300
2204021N2S7C	1.2	± 0.3 nH	8	100	4000	0.12	300
2204021N5S7C	1.5	± 0.3 nH	8	100	4000	0.13	300
2204021N8S7C	1.8	± 0.3 nH	8	100	4000	0.14	300
2204022N2S7C	2.2	± 0.3 nH	8	100	4000	0.16	300
2204022N7S7C	2.7	± 0.3 nH	8	100	4000	0.17	300
2204023N3S7C	3.3	± 0.3 nH	8	100	4000	0.19	300
2204023N9S7C	3.9	± 0.3 nH	8	100	4000	0.22	300
2204024N7S7C	4.7	± 0.3 nH	8	100	4000	0.24	300
2204025N6S7C	5.6	± 0.3 nH	8	100	4000	0.27	300
2204026N8J7C	6.8	± 5%	8	100	3900	0.32	300
2204028N2J7C	8.2	± 5%	8	100	3600	0.37	250
22040210NJ7C	10	± 5%	8	100	3200	0.42	250
22040212NJ7C	12	± 5%	8	100	2700	0.50	250
22040215NJ7C	15	± 5%	8	100	2300	0.55	250
22040218NJ7C	18	± 5%	8	100	2100	0.65	200
22040222NJ7C	22	± 5%	8	100	1900	0.80	200
22040227NJ7C	27	± 5%	8	100	1600	0.90	200

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Chip Inductors (Ceramic)

Package Size - 0603

Part Number	Inductance (nH)	Tolerance	Q Min	Test Frequency L, Q (MHz)	Self Resonant Frequency (Min MHz)	DCR (Ohm) Max	Rated Current (mA Max)
2206031N0S7C	1.0	± 0.3 nH	8	100	4000	0.10	300
2206031N2S7C	1.2	± 0.3 nH	8	100	4000	0.10	300
2206031N5S7C	1.5	± 0.3 nH	8	100	4000	0.10	300
2206031N8S7C	1.8	± 0.3 nH	8	100	4000	0.10	300
2206032N2S7C	2.2	± 0.3 nH	8	100	4000	0.10	300
2206032N7S7C	2.7	± 0.3 nH	10	100	4000	0.10	300
2206033N3S7C	3.3	± 0.3 nH	10	100	4000	0.12	300
2206033N9S7C	3.9	± 0.3 nH	10	100	4000	0.14	300
2206034N7S7C	4.7	± 0.3 nH	10	100	4000	0.16	300
2206035N6S7C	5.6	± 0.3 nH	10	100	4000	0.18	300
2206036N8J7C	6.8	± 5%	10	100	4000	0.22	300
2206038N2J7C	8.2	± 5%	10	100	4000	0.24	300
22060310NJ7C	10	± 5%	12	100	3000	0.26	300
22060312NJ7C	12	± 5%	12	100	3000	0.28	300
22060315NJ7C	15	± 5%	12	100	2000	0.32	300
22060318NJ7C	18	± 5%	12	100	2000	0.35	300
22060322NJ7C	22	± 5%	12	100	2000	0.40	300
22060327NJ7C	27	± 5%	12	100	1000	0.45	300
22060333NJ7C	33	± 5%	12	100	1000	0.55	300
22060339NJ7C	39	± 5%	12	100	1000	0.60	300
22060347NJ7C	47	± 5%	12	100	1000	0.70	300
22060356NJ7C	56	± 5%	12	100	1000	0.75	300
22060368NJ7C	68	± 5%	12	100	1000	0.85	300
22060382NJ7C	82	± 5%	12	100	1000	0.95	300
220603R10J7C	100	± 5%	12	100	1000	1.00	300
220603R12J7C	120	± 5%	8	50	800	1.20	300
220603R15J7C	150	± 5%	8	50	800	1.20	300
220603R18J7C	180	± 5%	8	50	700	1.30	300
220603R22J7C	220	± 5%	8	50	600	1.30	300

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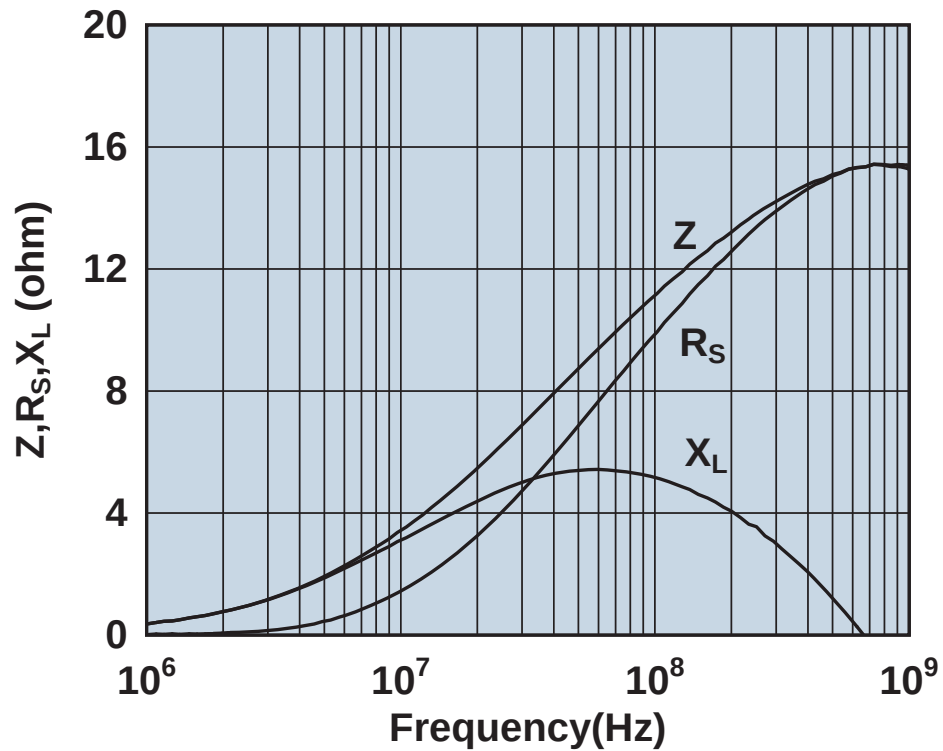
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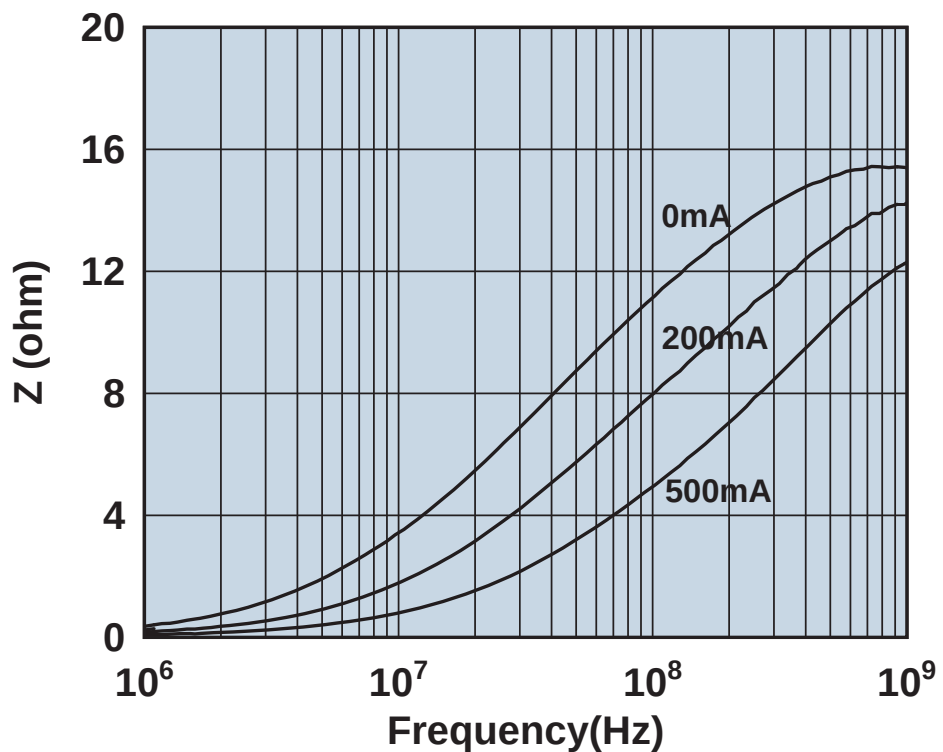
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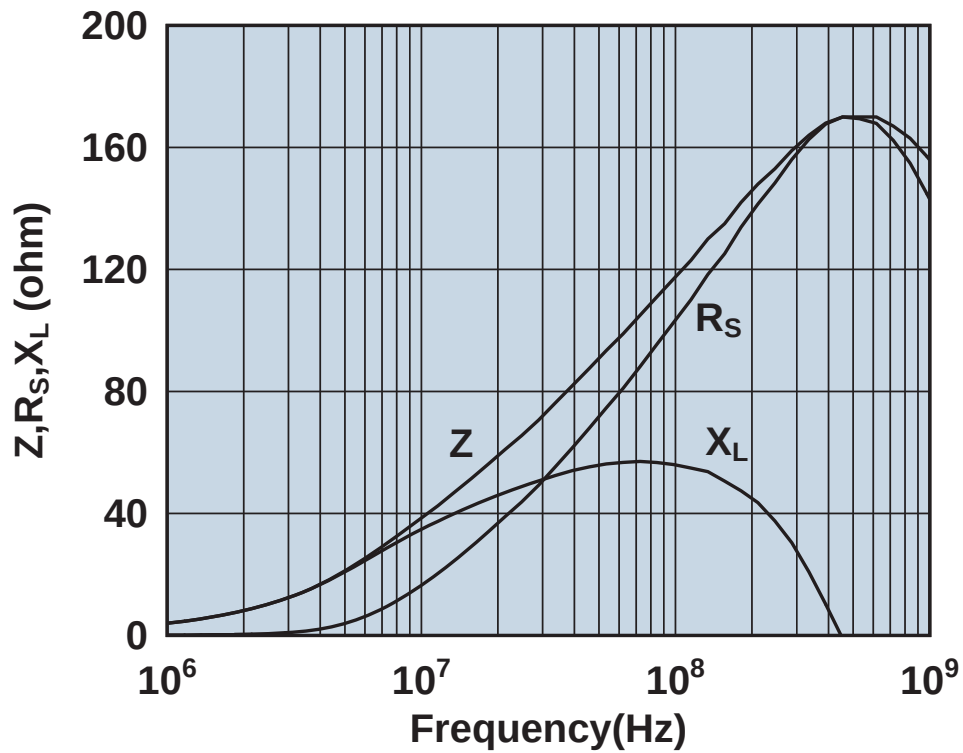


Impedance, reactance, and resistance vs. frequency.

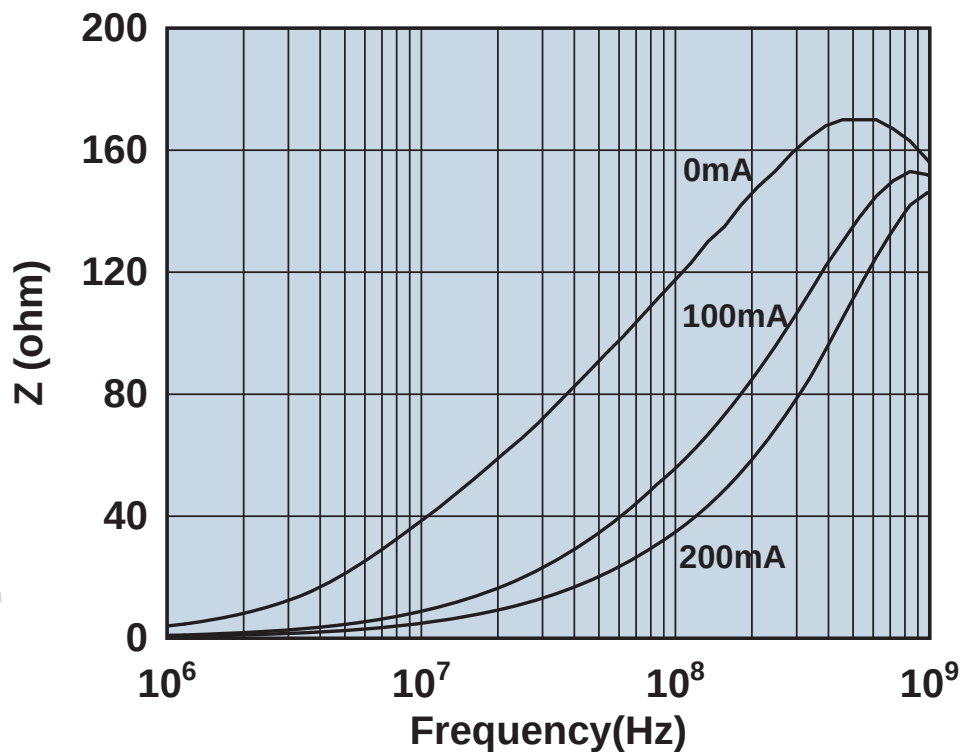


Impedance vs. frequency with dc bias.

2504021217Y0

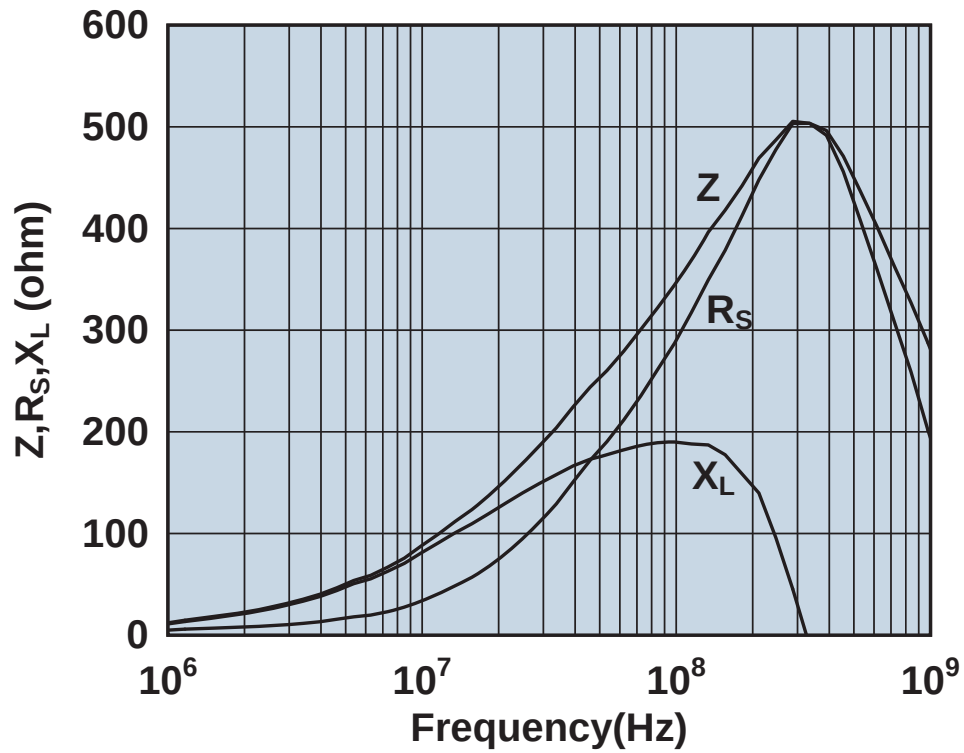


Impedance, reactance, and resistance vs. frequency.

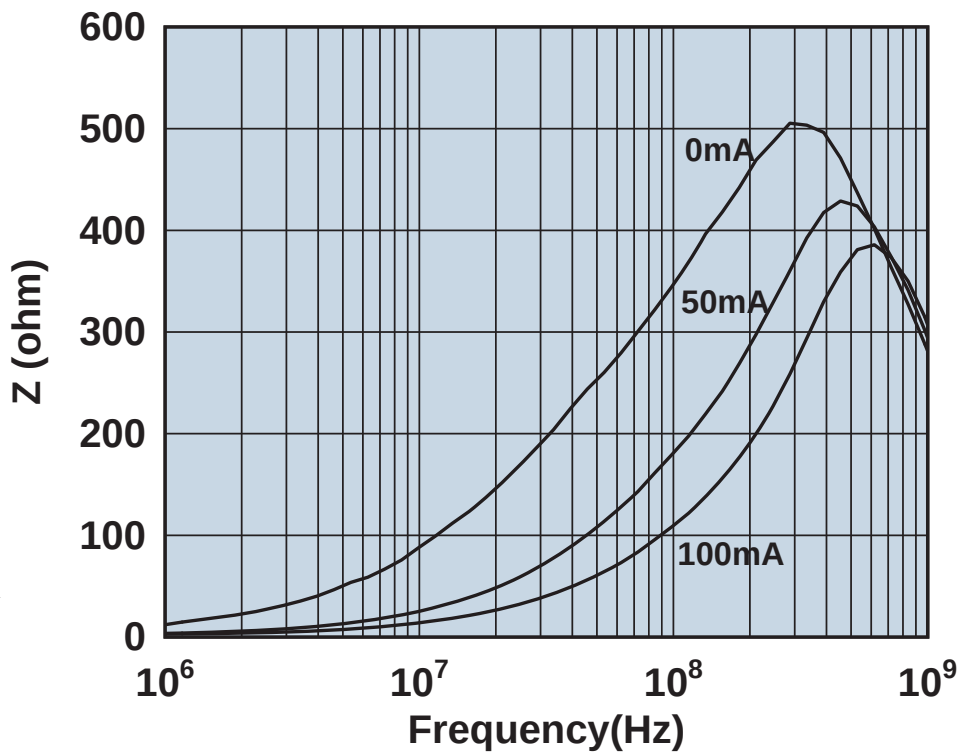


Impedance vs. frequency with dc bias.

2504023017Y0

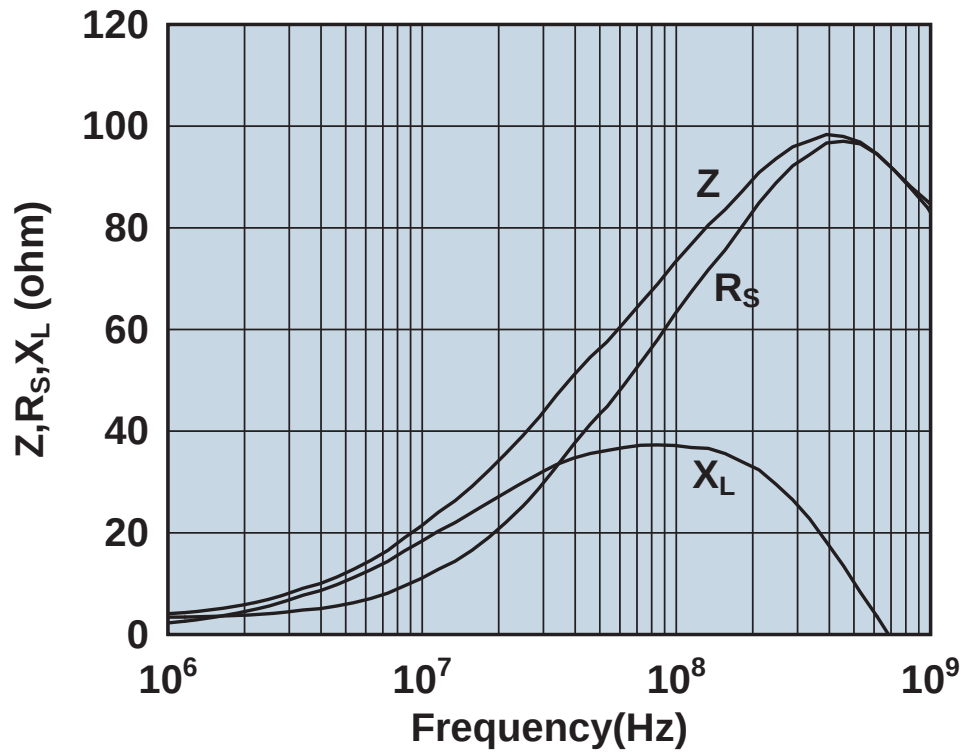


Impedance, reactance, and resistance vs. frequency.

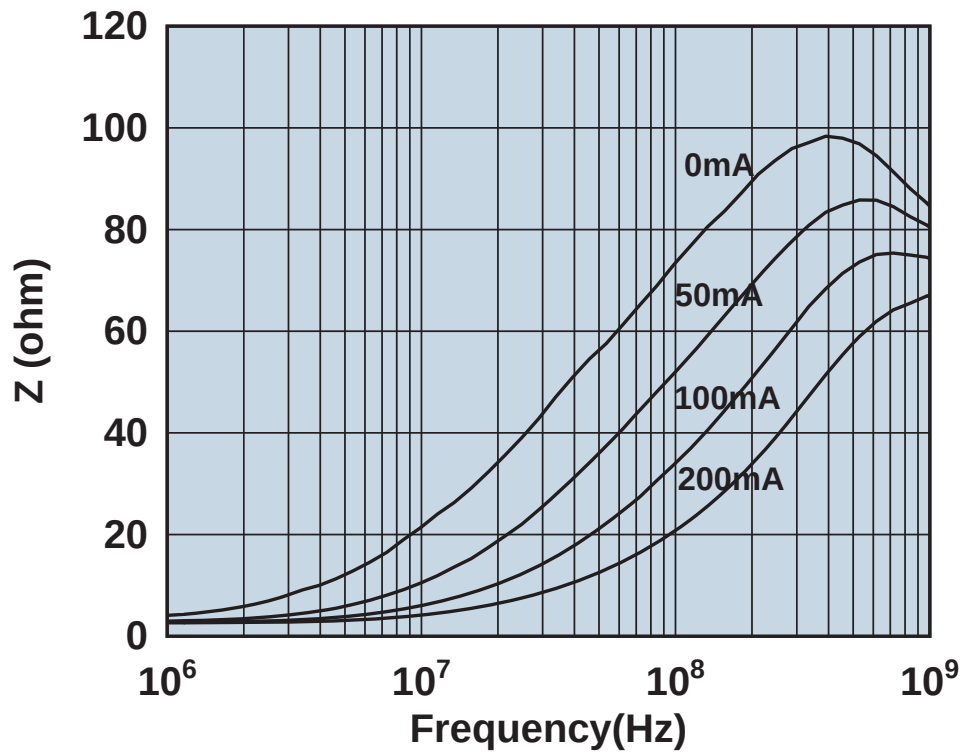


Impedance vs. frequency with dc bias.

2504026007Y0

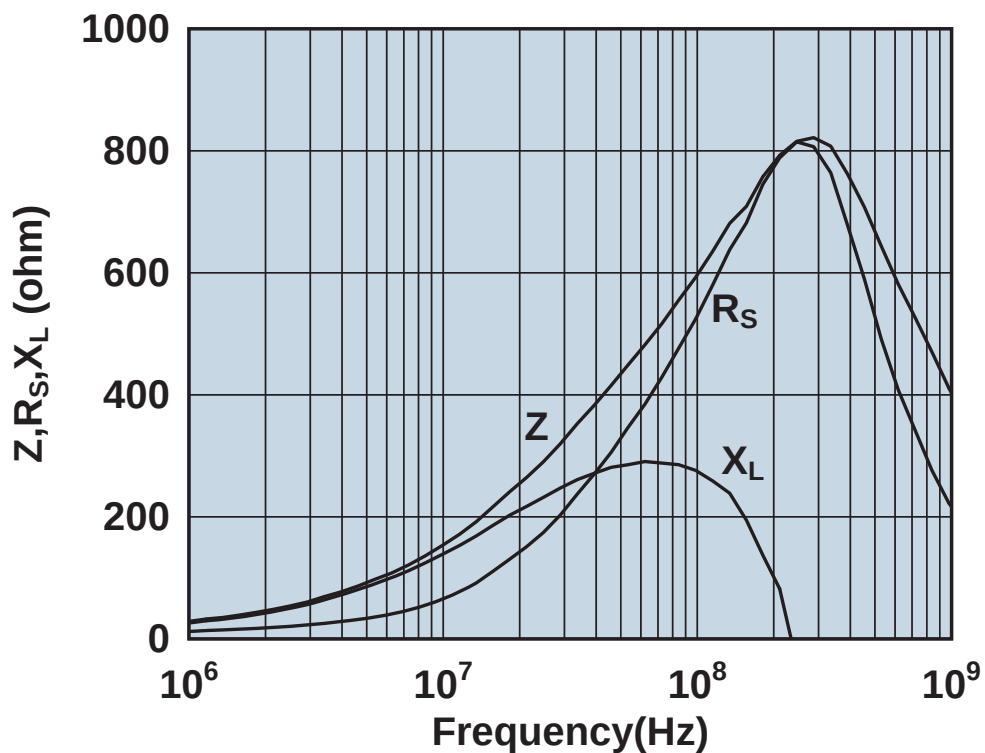


Impedance, reactance, and resistance vs. frequency.

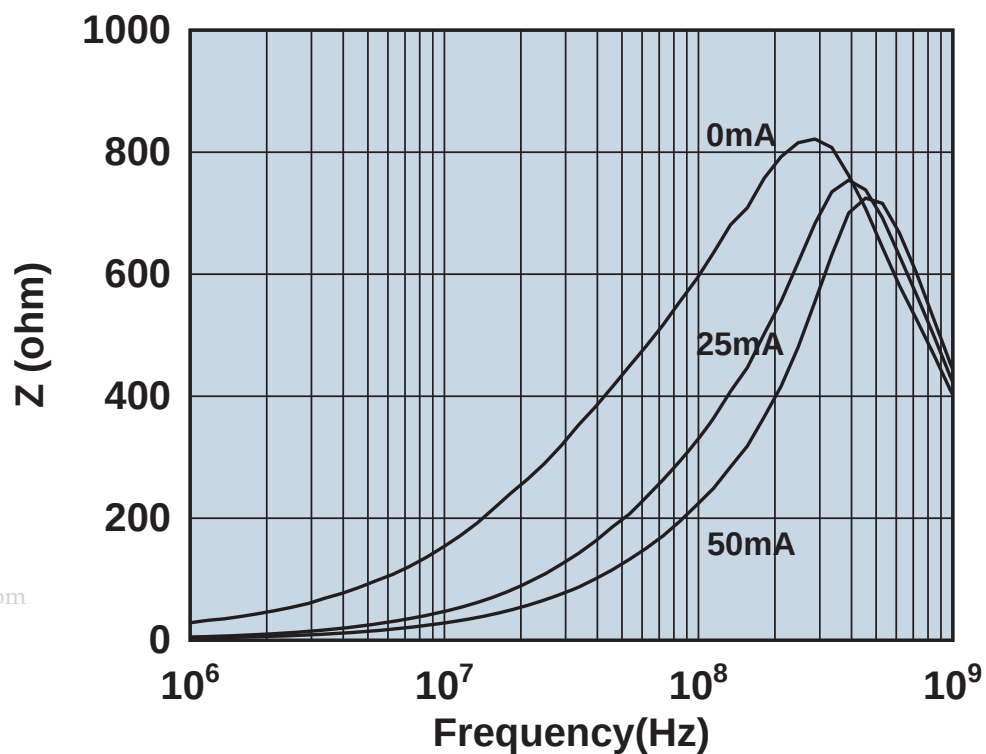


Impedance vs. frequency with dc bias.

2504026017Y0

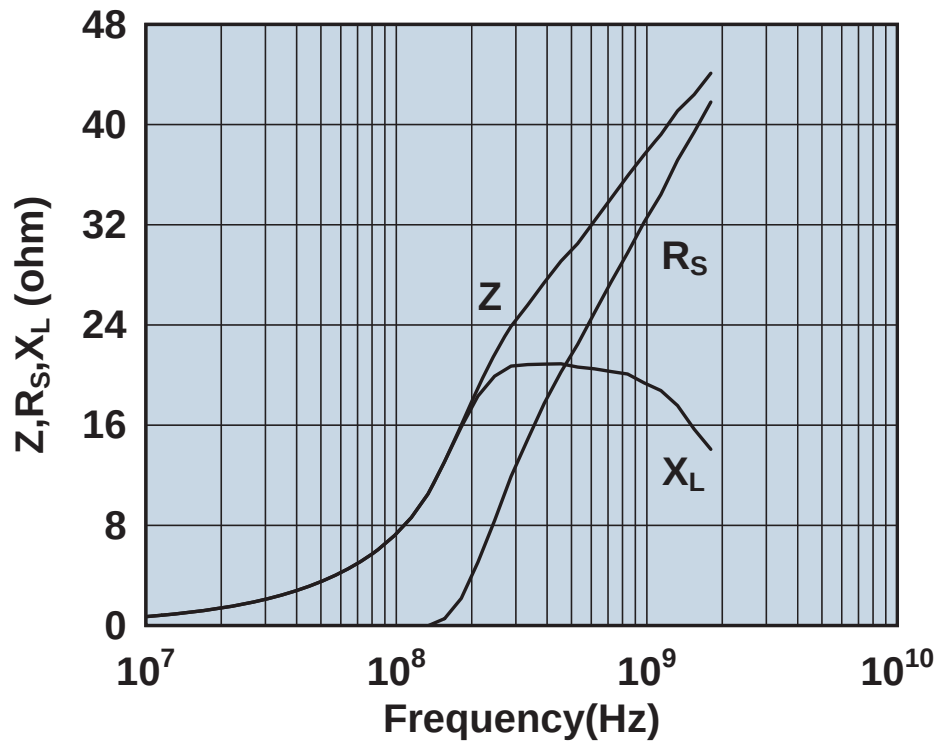


Impedance, reactance, and resistance vs. frequency.

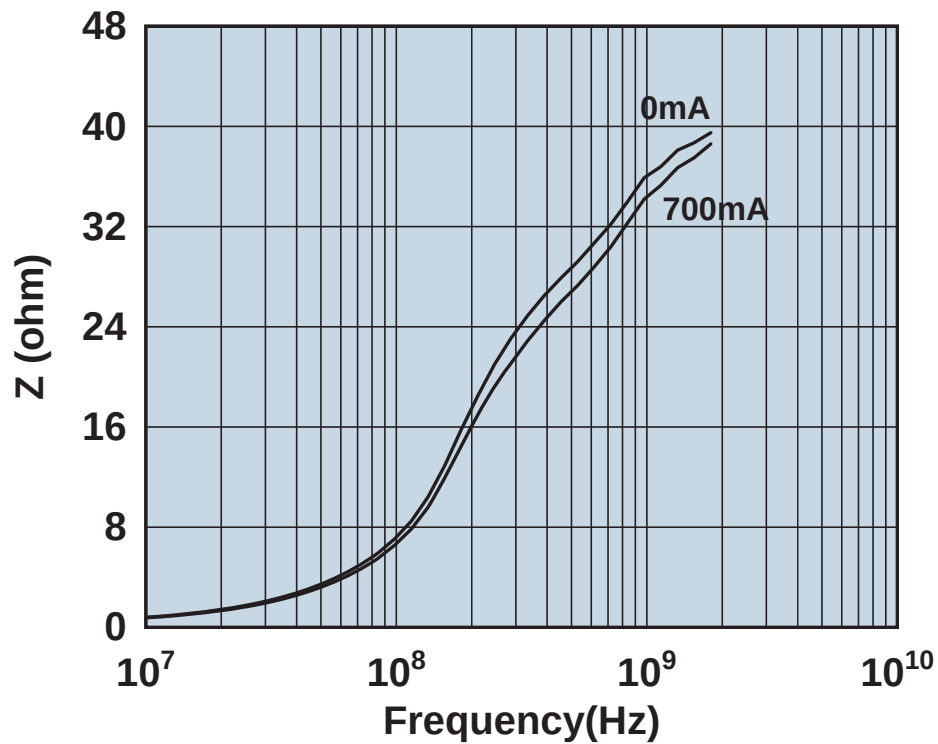


Impedance vs. frequency with dc bias.

2506030707H0

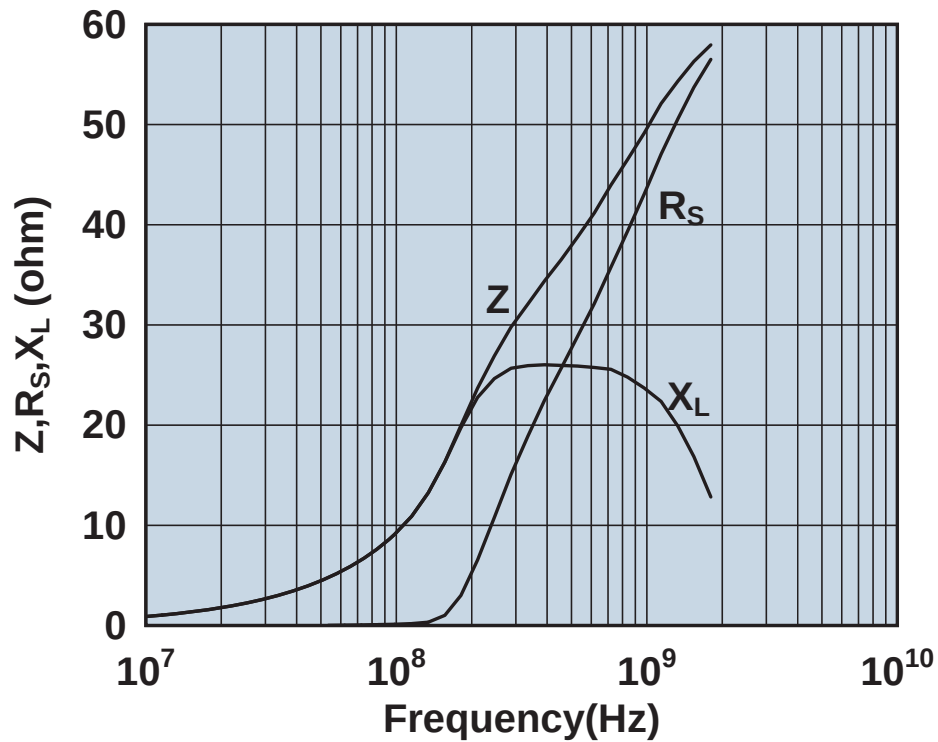


Impedance, reactance, and resistance vs. frequency.

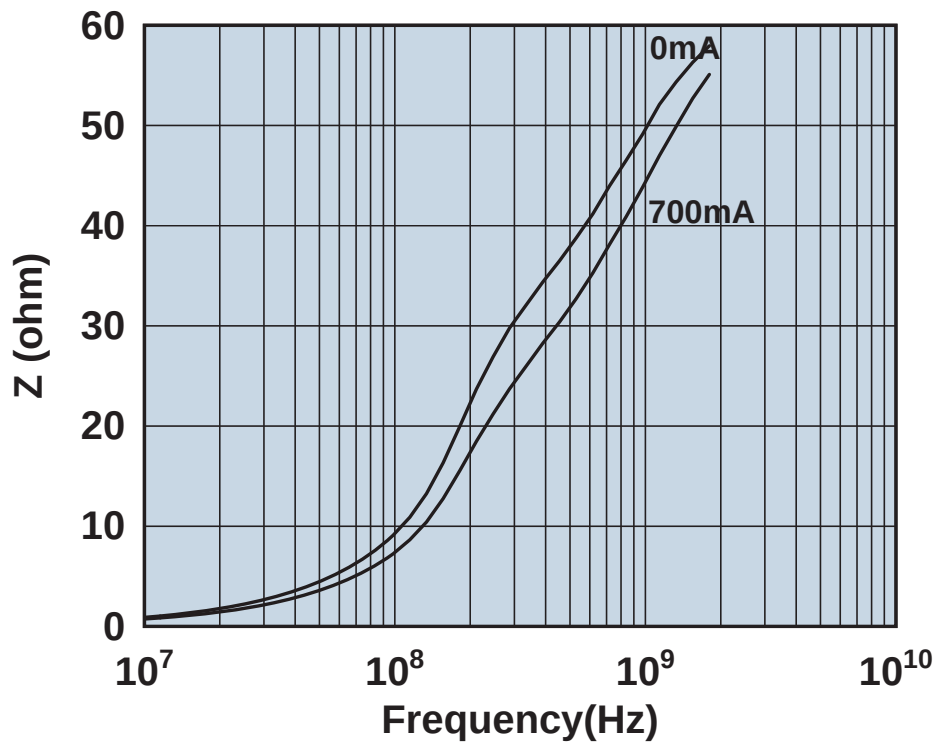


Impedance vs. frequency with dc bias.

2506031007H0

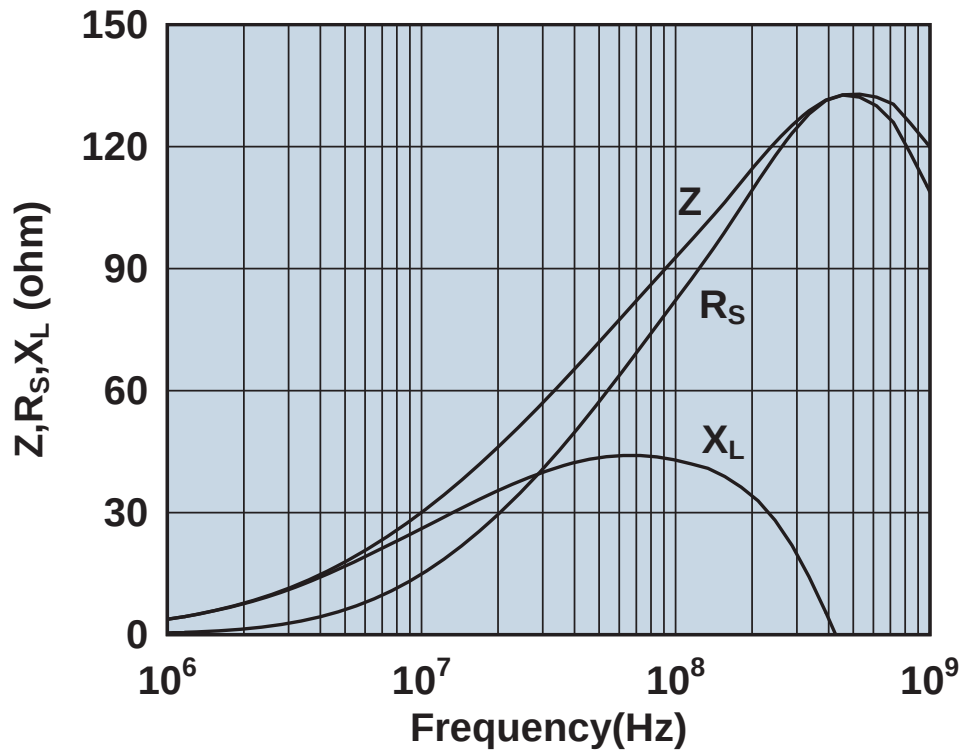


Impedance, reactance, and resistance vs. frequency.

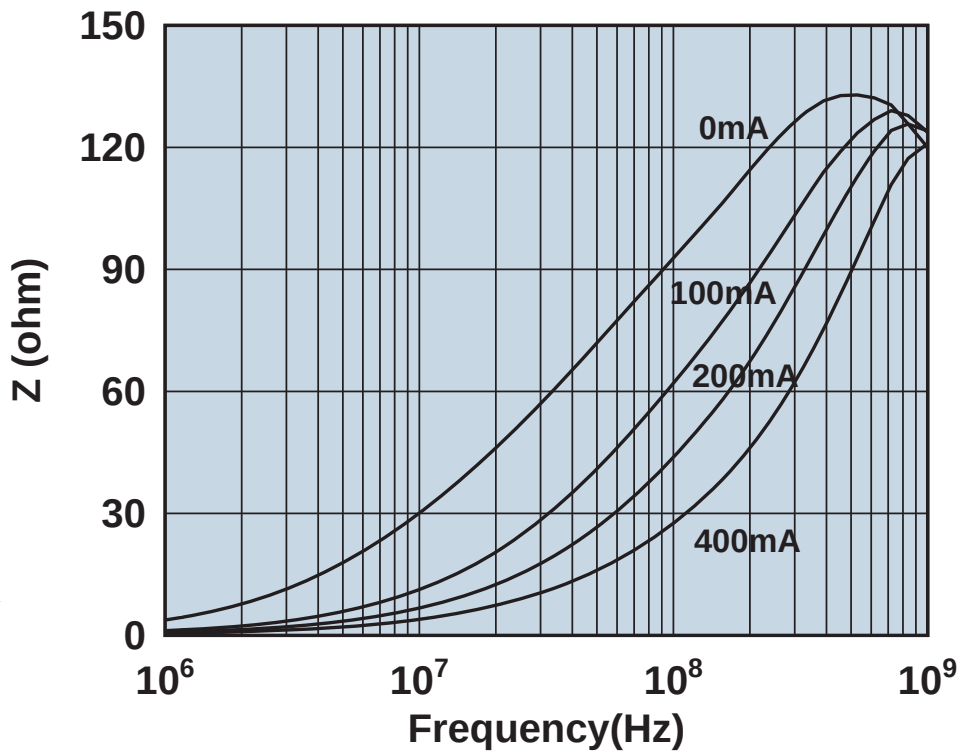


Impedance vs. frequency with dc bias.

2506031017Y0

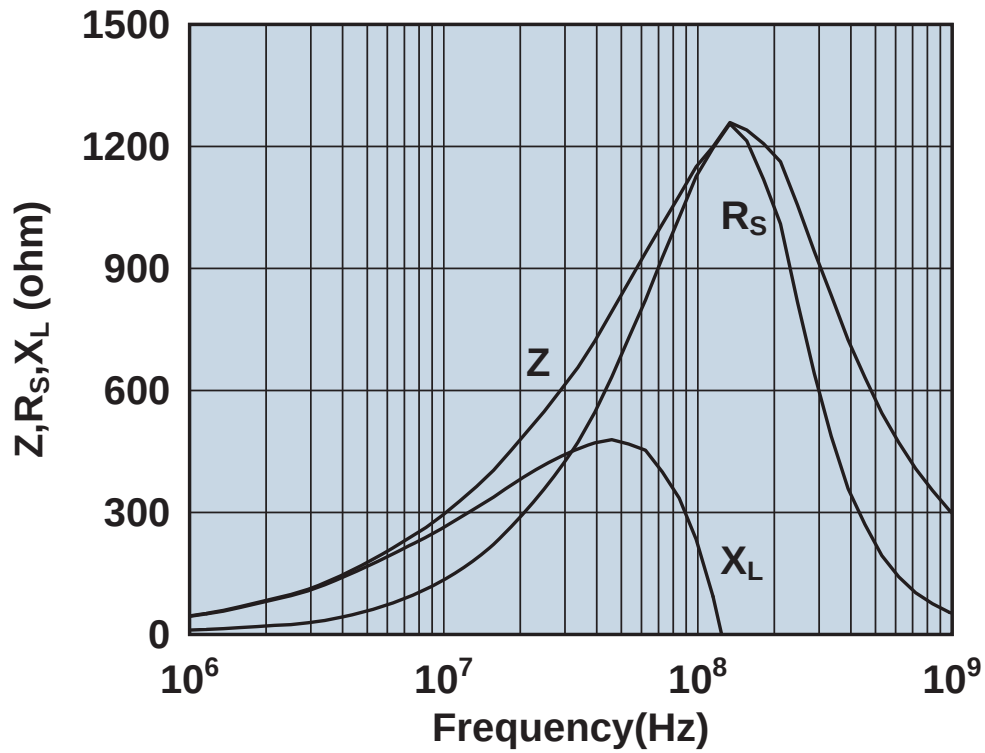


Impedance, reactance, and resistance vs. frequency.

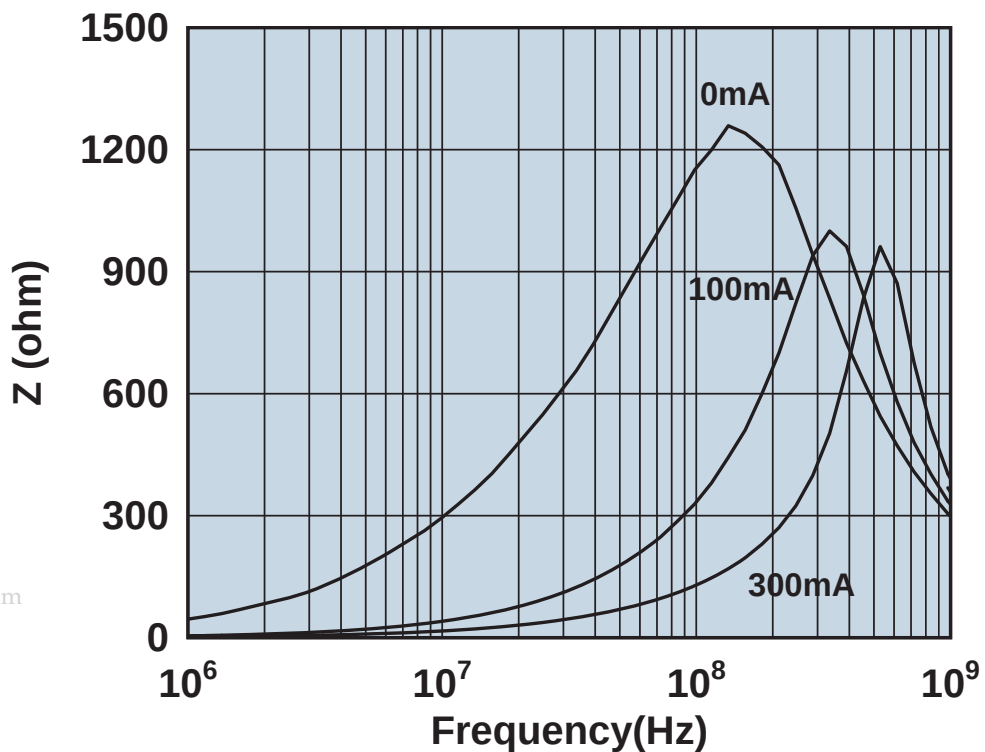


Impedance vs. frequency with dc bias.

2506031027Y0

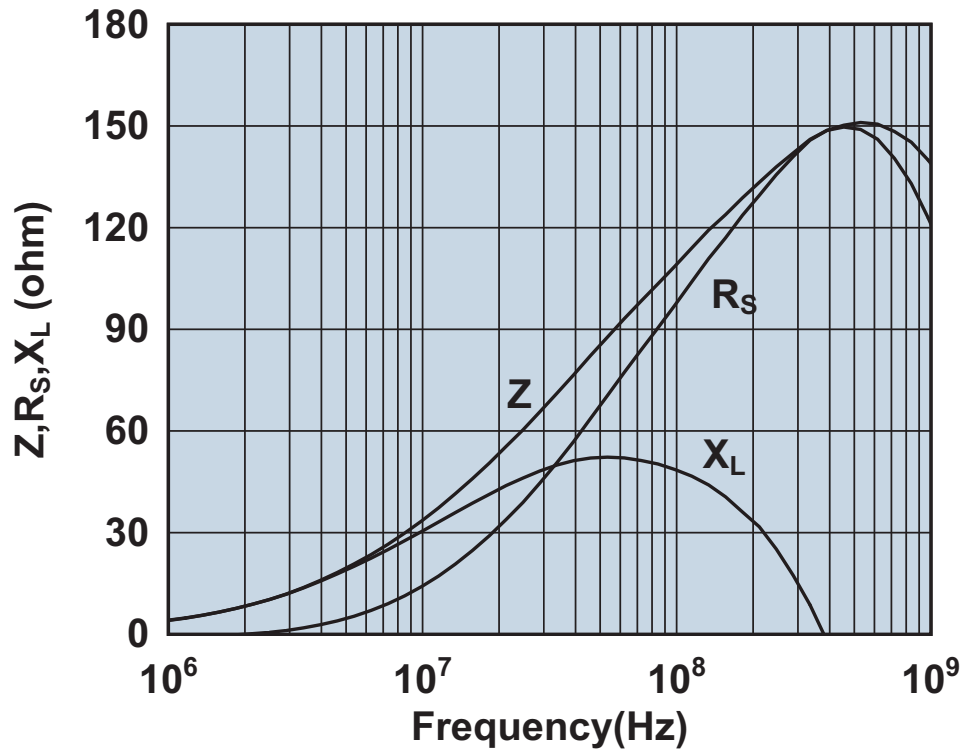


Impedance, reactance, and resistance vs. frequency.

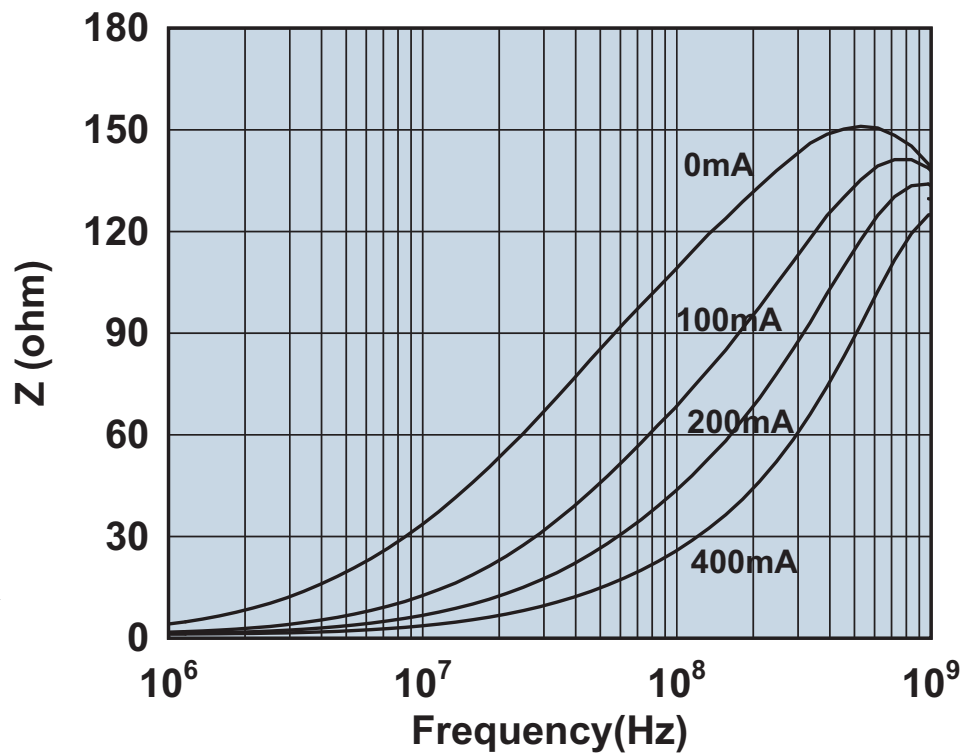


Impedance vs. frequency with dc bias.

2506031217Y0



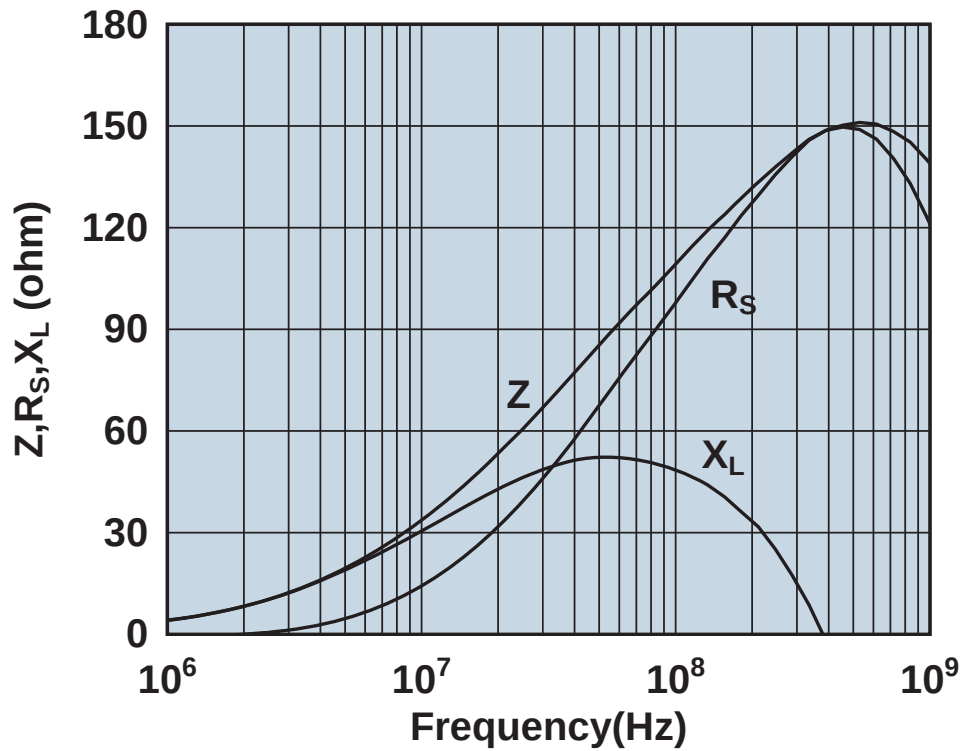
Impedance, reactance, and resistance vs. frequency.



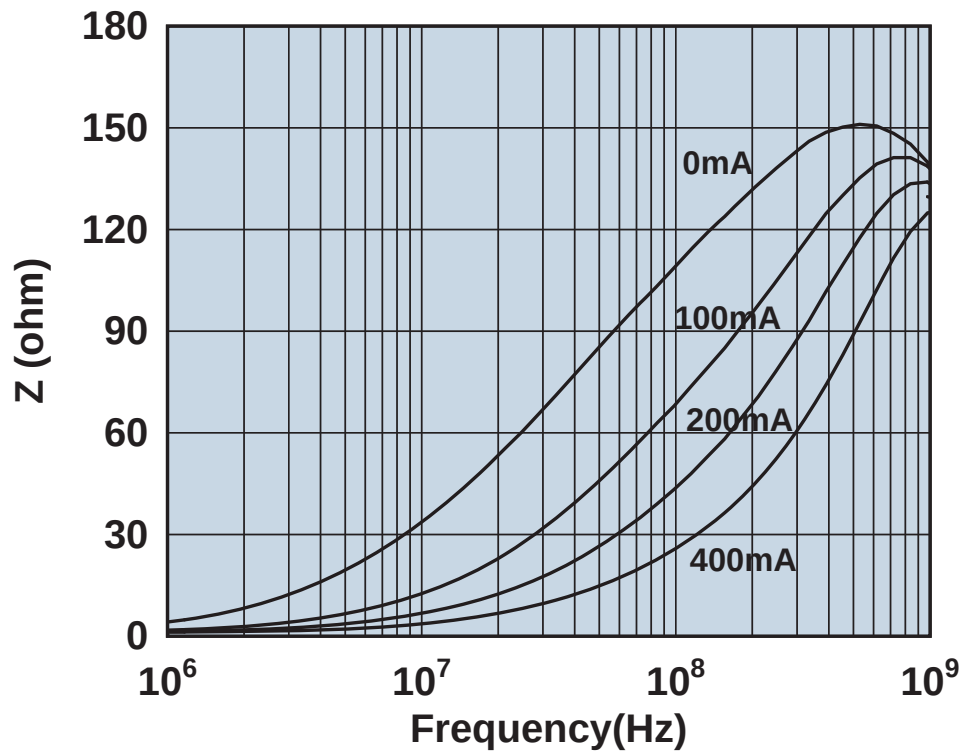
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Impedance vs. frequency with dc bias.

2506031217Y0

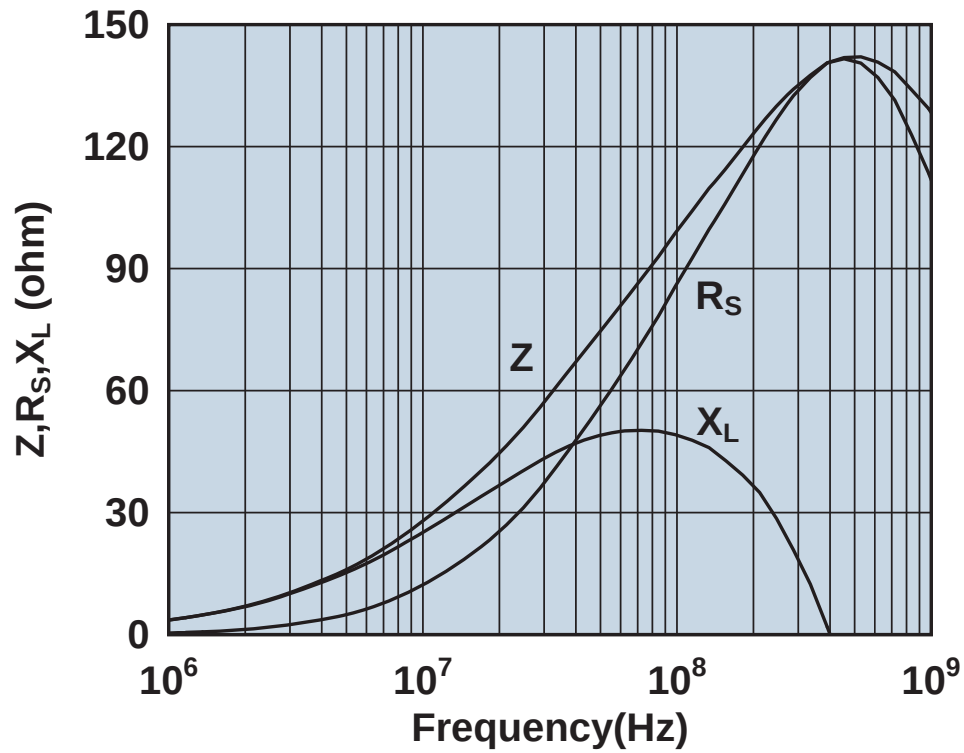


Impedance, reactance, and resistance vs. frequency.

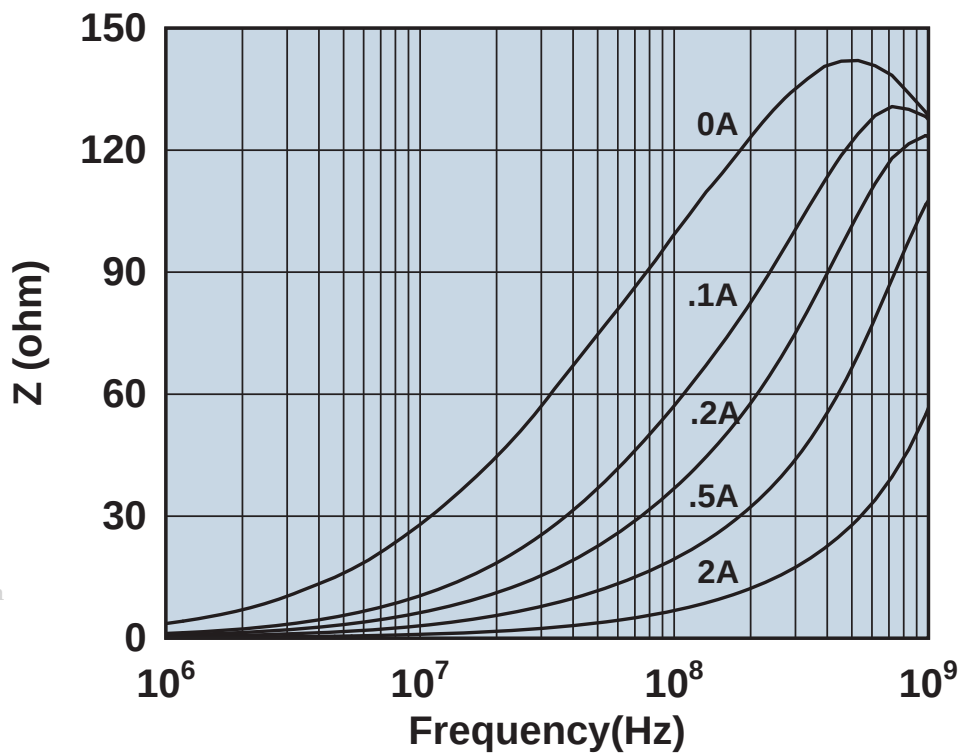


Impedance vs. frequency with dc bias.

2506031217Y2

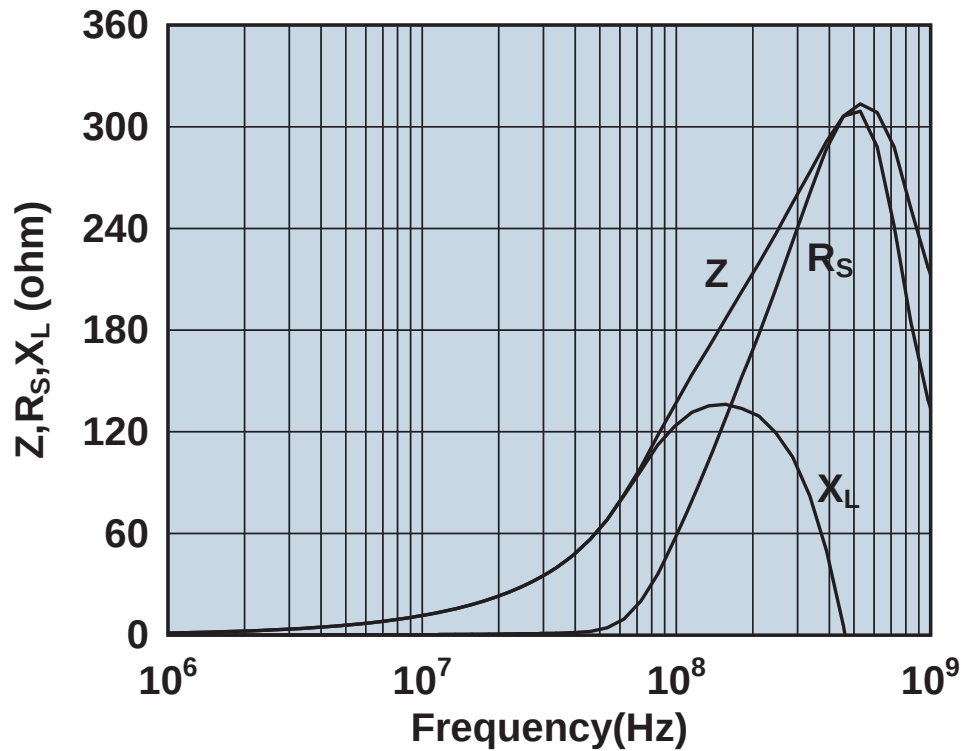


Impedance, reactance, and resistance vs. frequency.

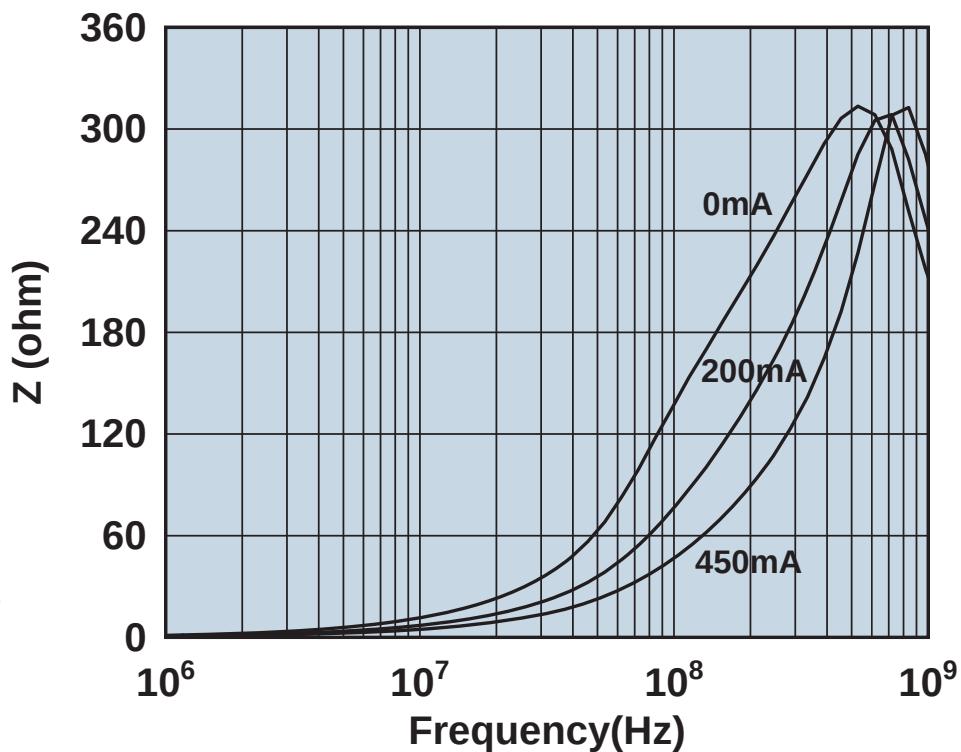


Impedance vs. frequency with dc bias.

2506031217Z0

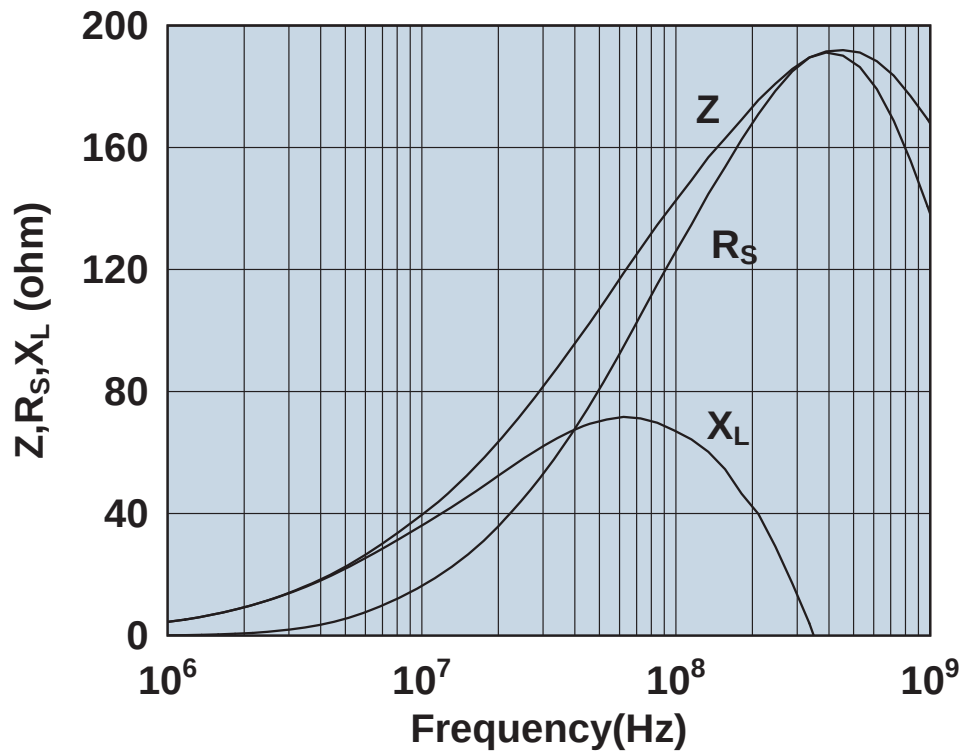


Impedance, reactance, and resistance vs. frequency.

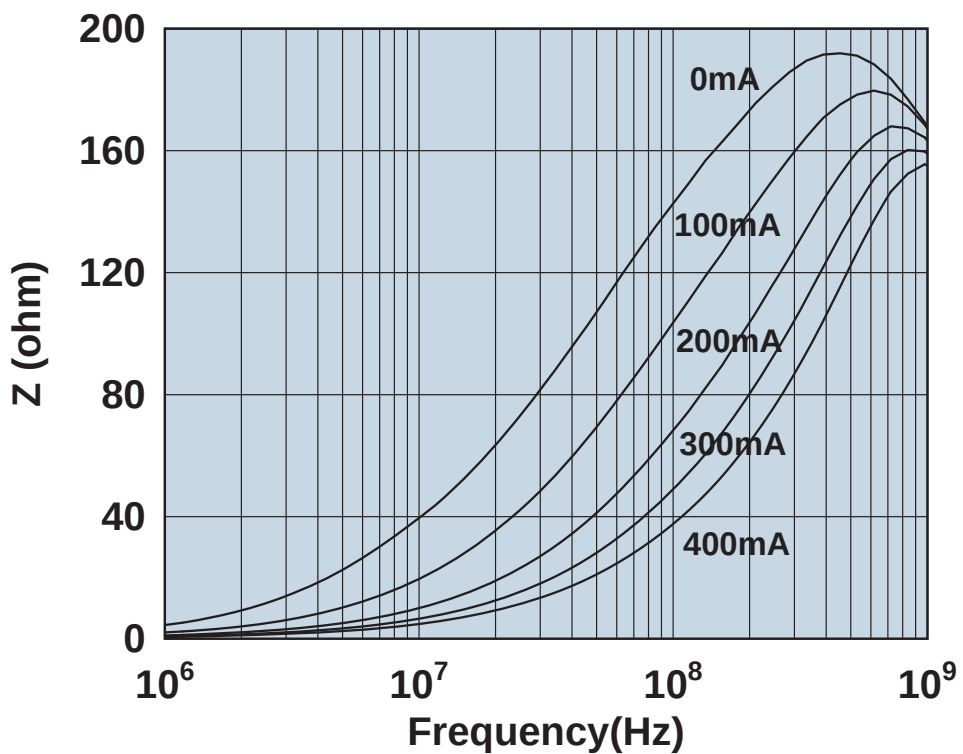


Impedance vs. frequency with dc bias.

2506031517Y0



Impedance, reactance, and resistance vs. frequency.



Impedance vs. frequency with dc bias.

2506032217H0

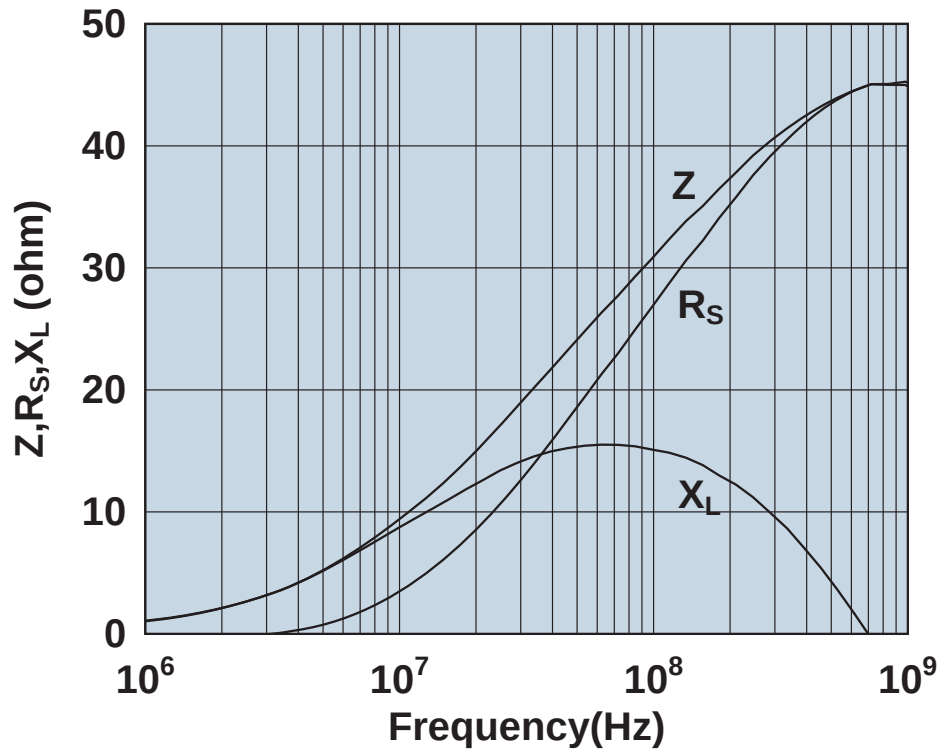
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Impedance, reactance, and resistance vs. frequency.

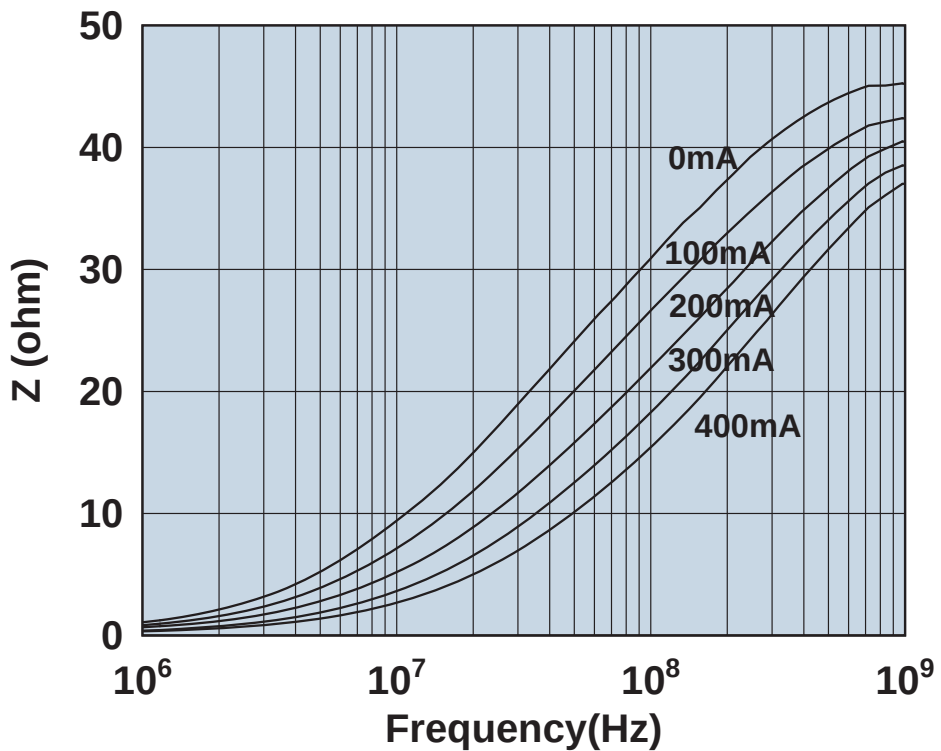
Not yet available.

Impedance vs. frequency with dc bias.

2506033007Y0

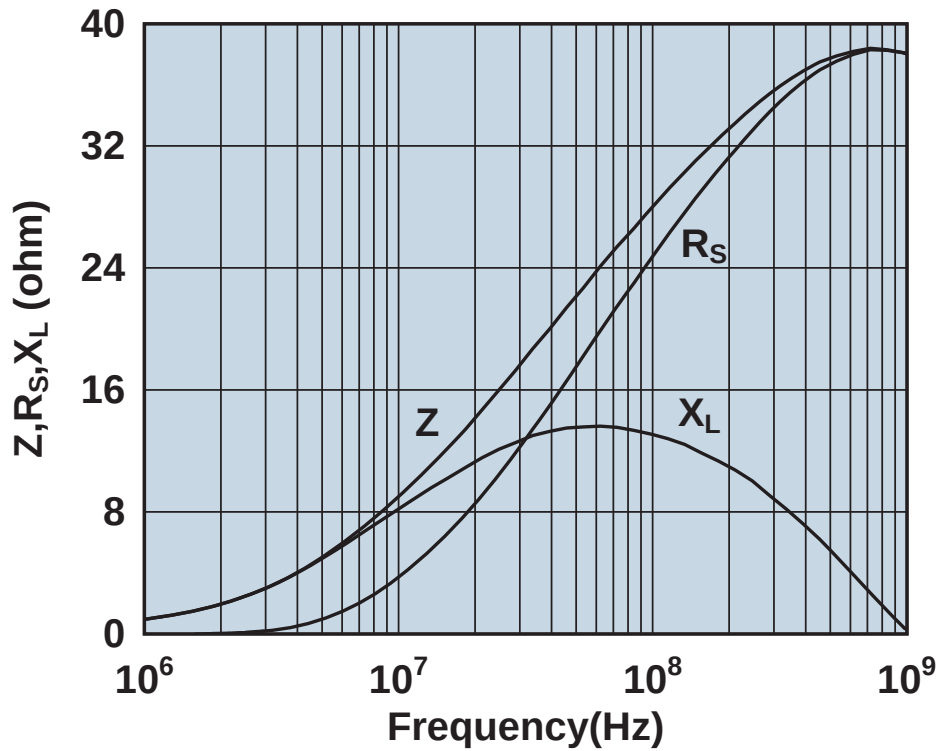


Impedance, reactance, and resistance vs. frequency.

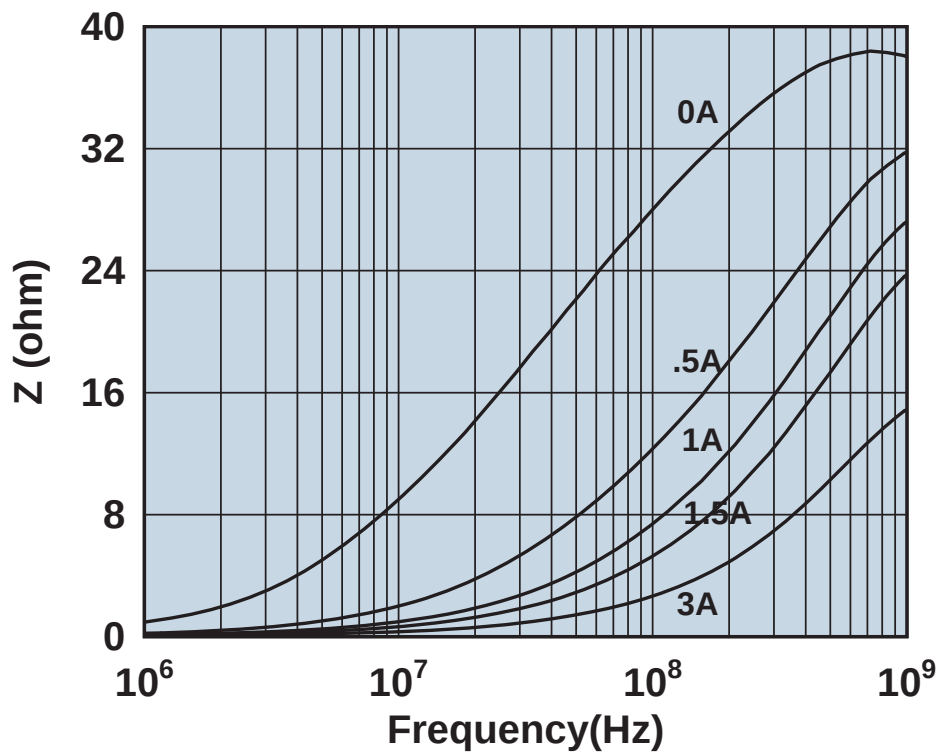


Impedance vs. frequency with dc bias.

2506033007Y3

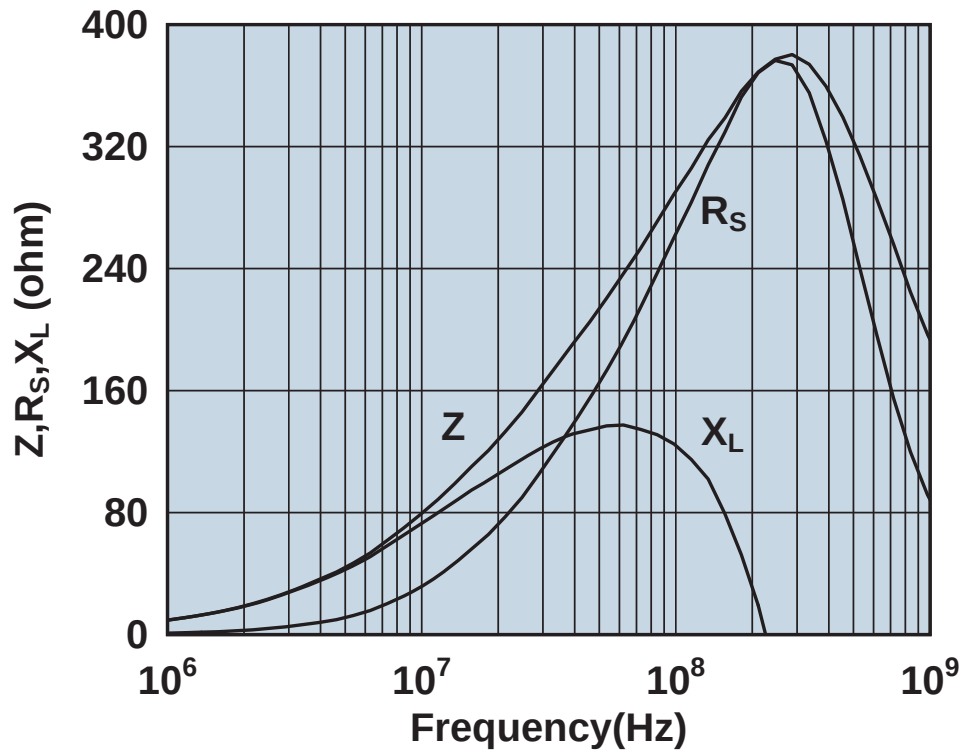


Impedance, reactance, and resistance vs. frequency.

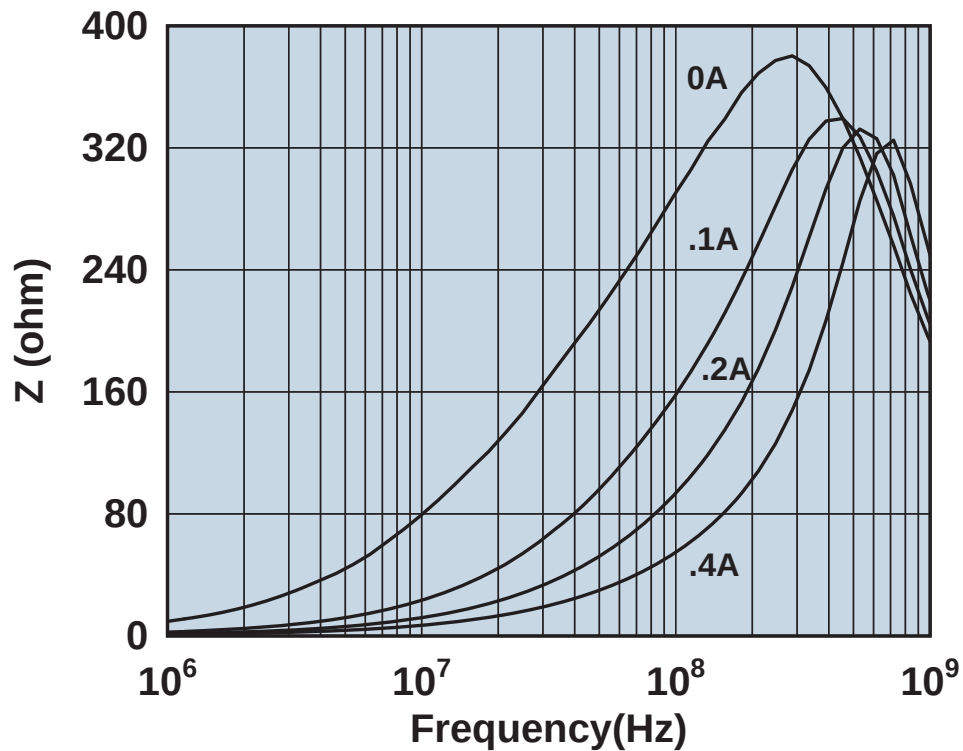


Impedance vs. frequency with dc bias.

2506033017Y0

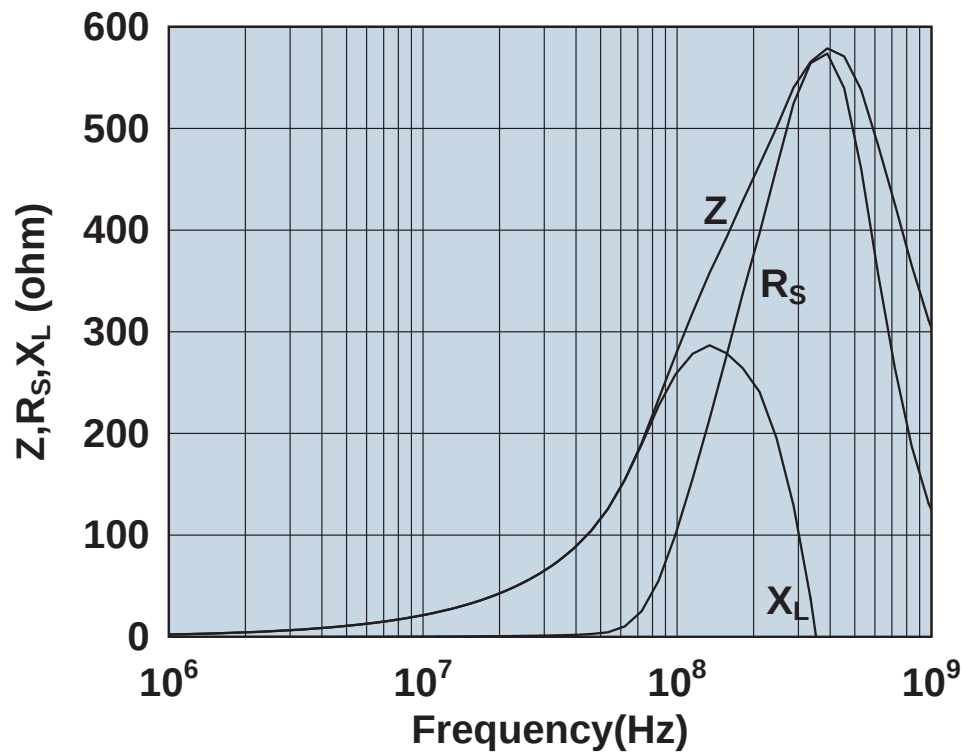


Impedance, reactance, and resistance vs. frequency.

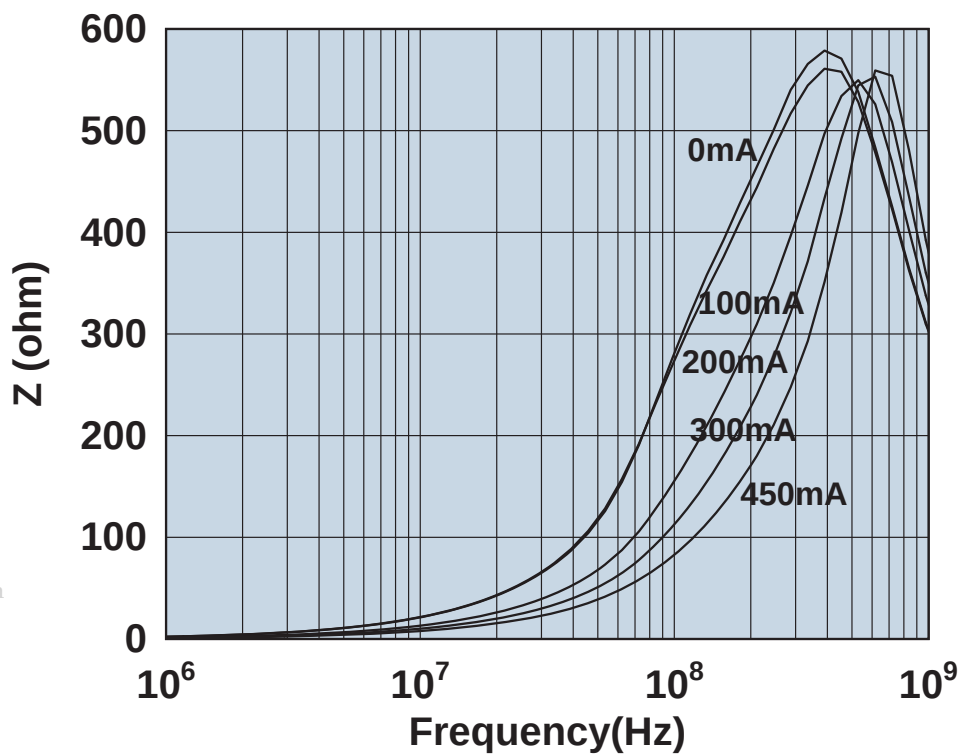


Impedance vs. frequency with dc bias.

2506033017Z0

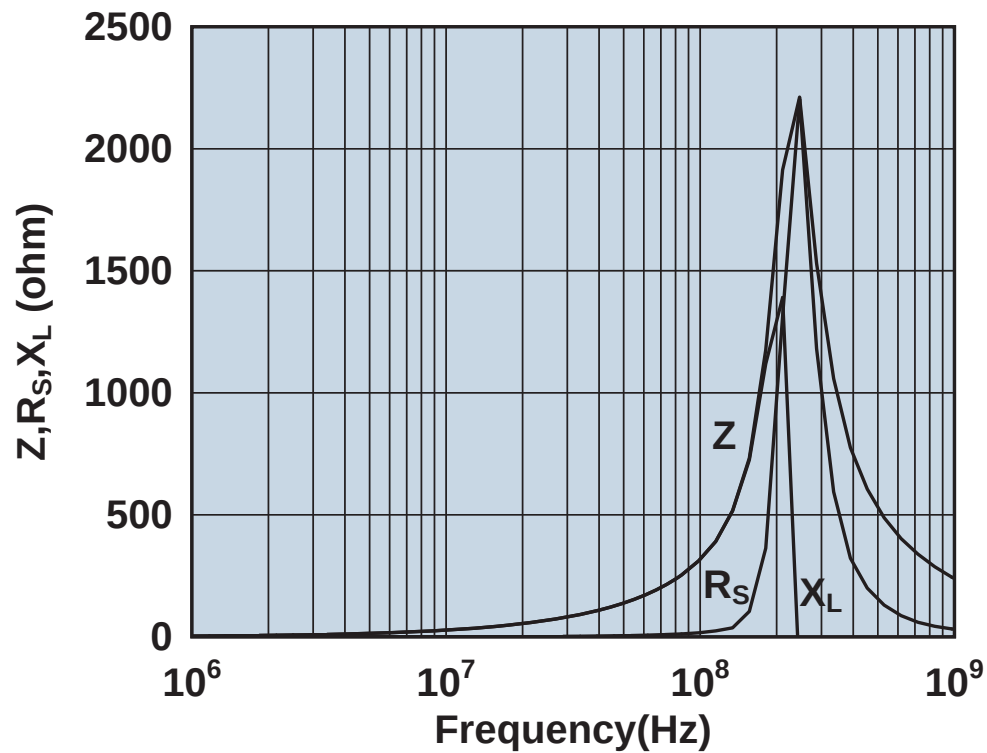


Impedance, reactance, and resistance vs. frequency.

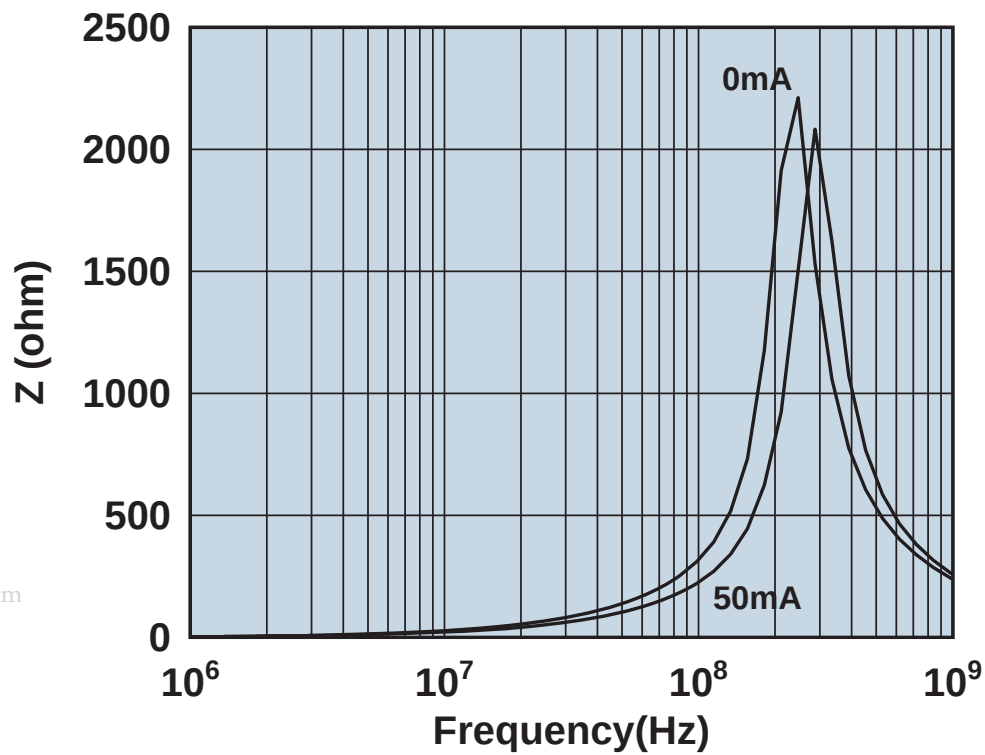


Impedance vs. frequency with dc bias.

2506033317H0



Impedance, reactance, and resistance vs. frequency.

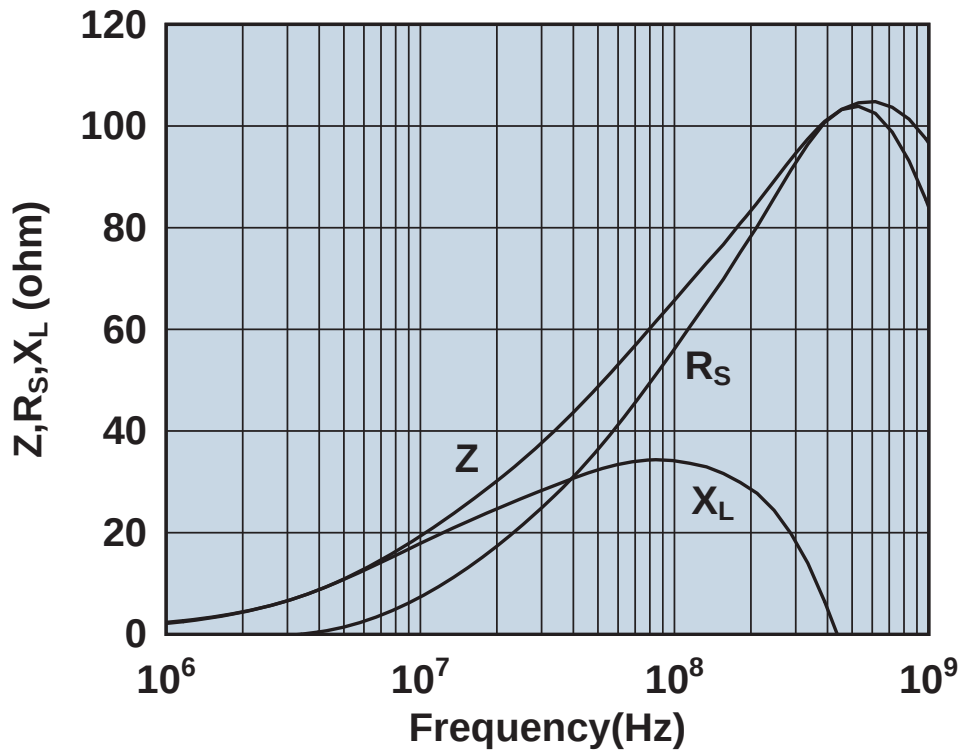


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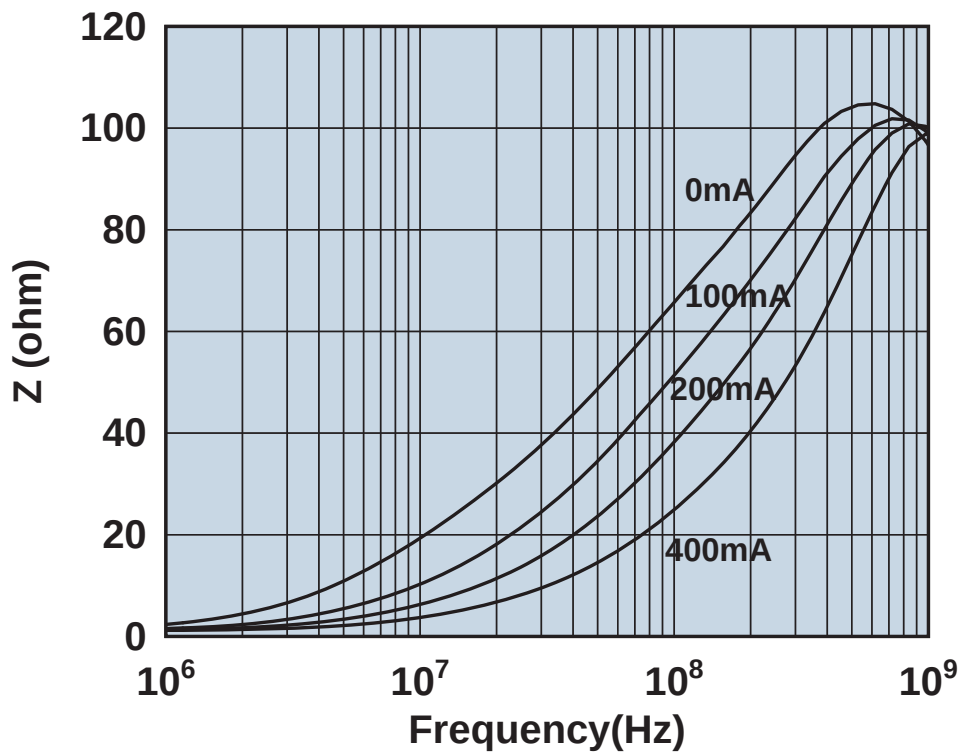
Impedance vs. frequency with dc bias.

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2506036007Y0



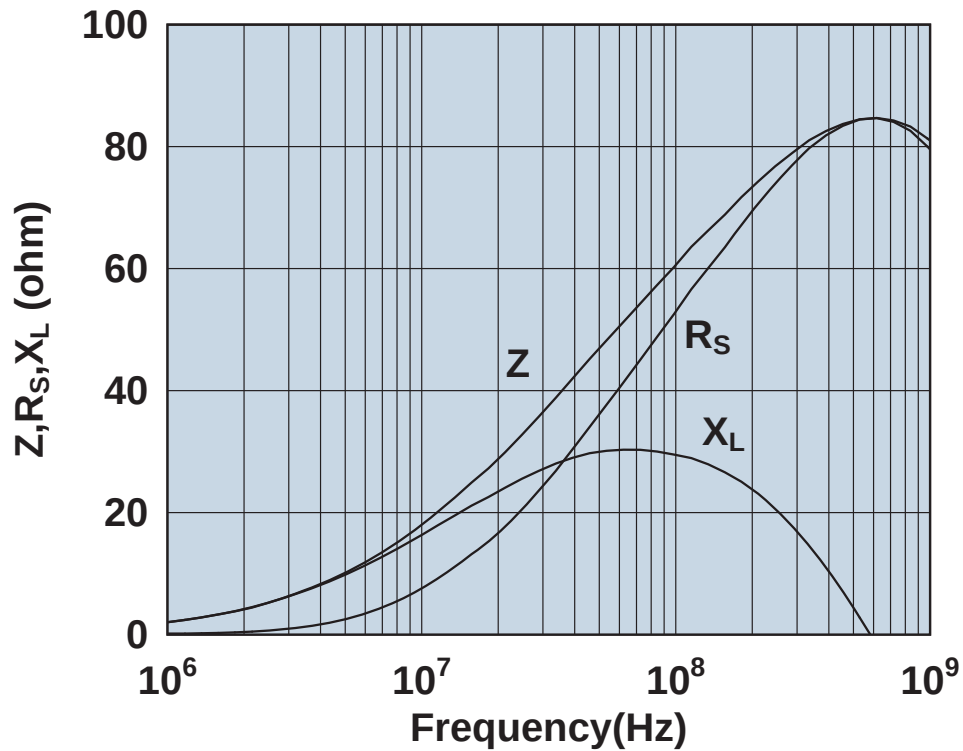
Impedance, reactance, and resistance vs. frequency.



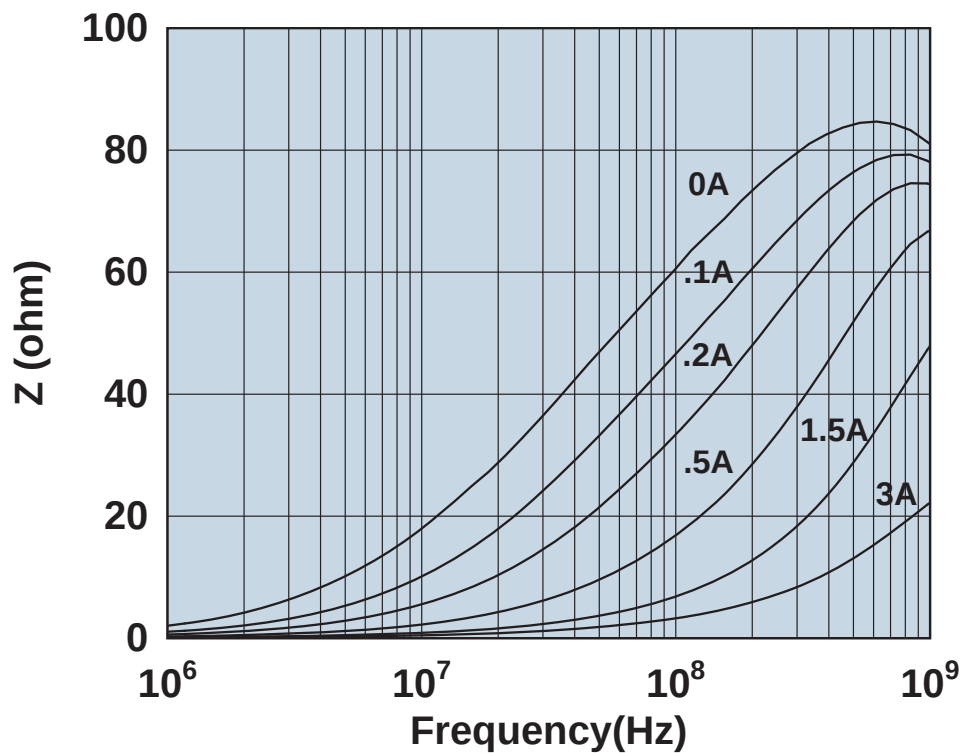
www.DataSheet4U.com

Impedance vs. frequency with dc bias.

2506036007Y3

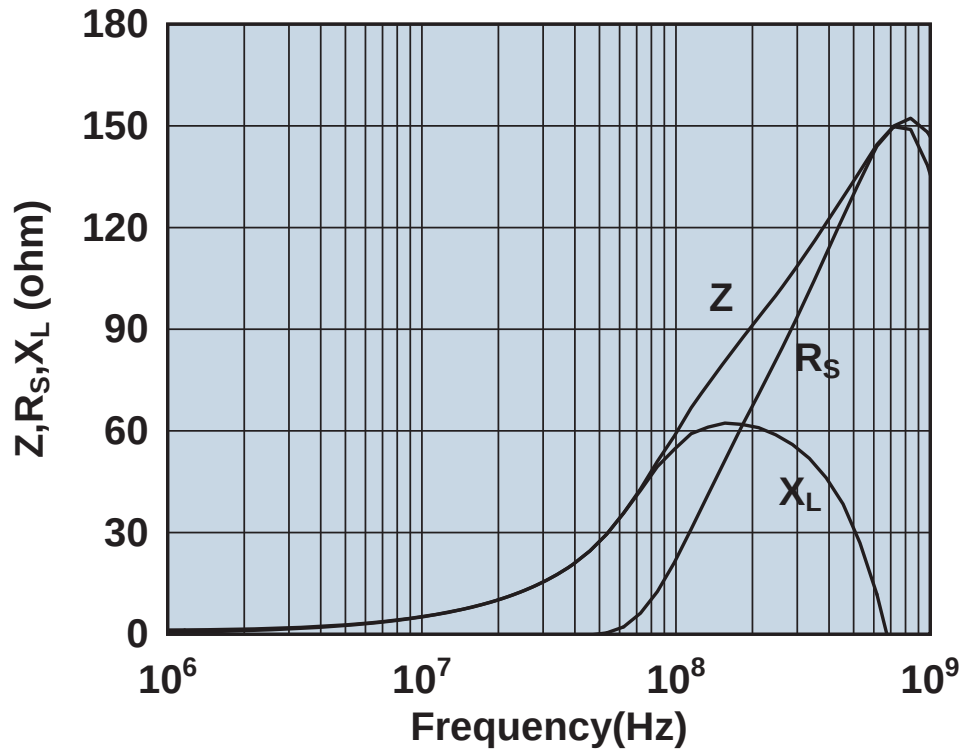


Impedance, reactance, and resistance vs. frequency.

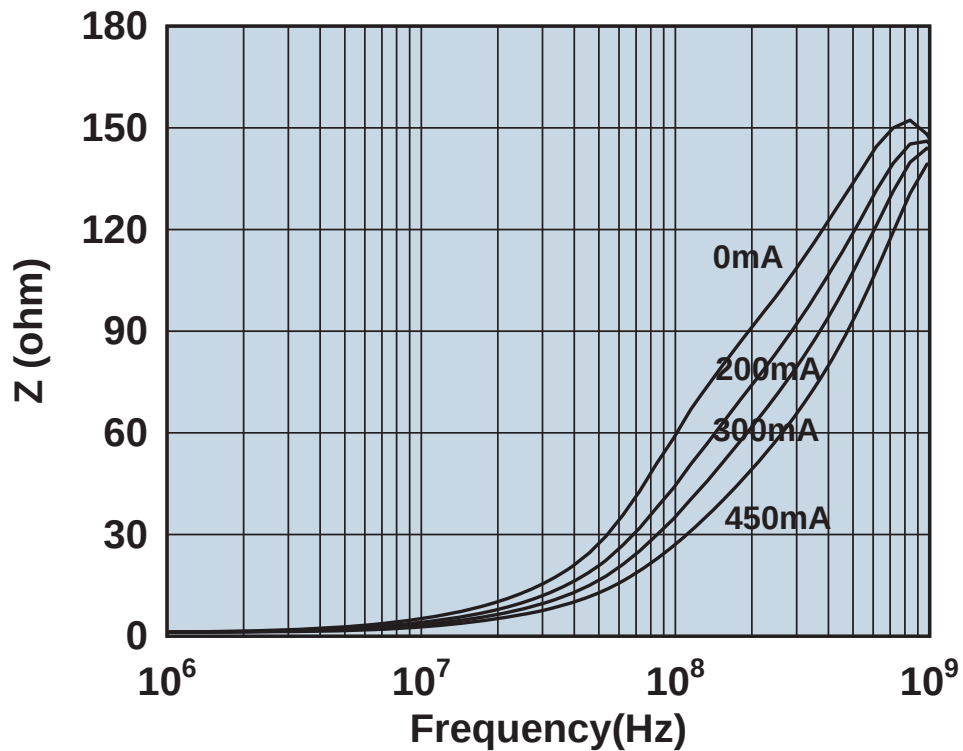


Impedance vs. frequency with dc bias.

2506036007Z0

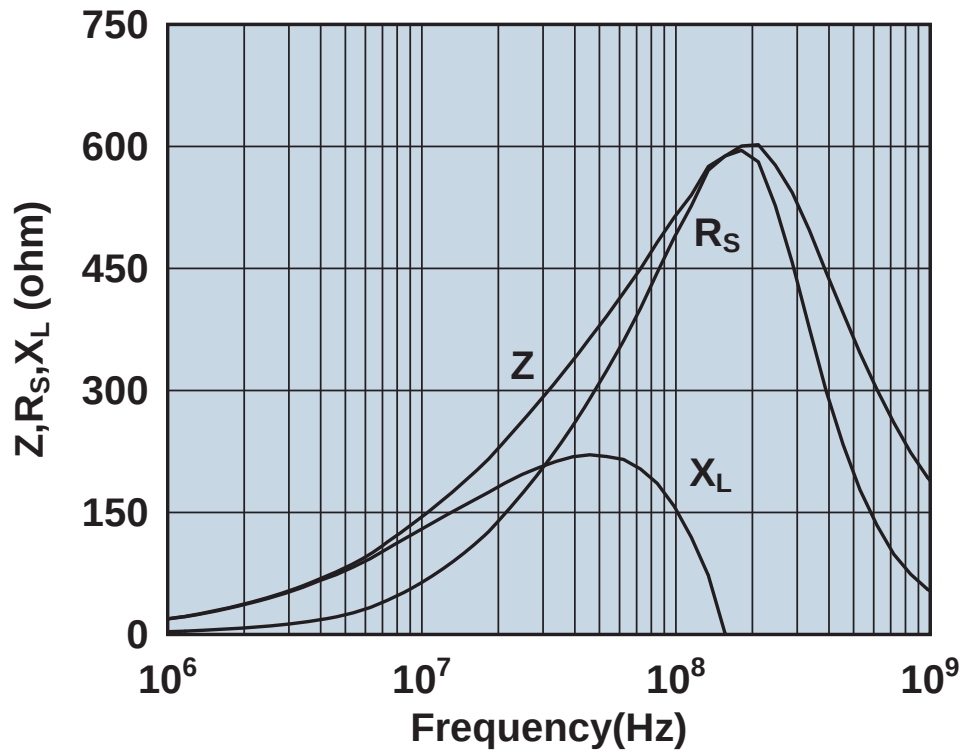


Impedance, reactance, and resistance vs. frequency.

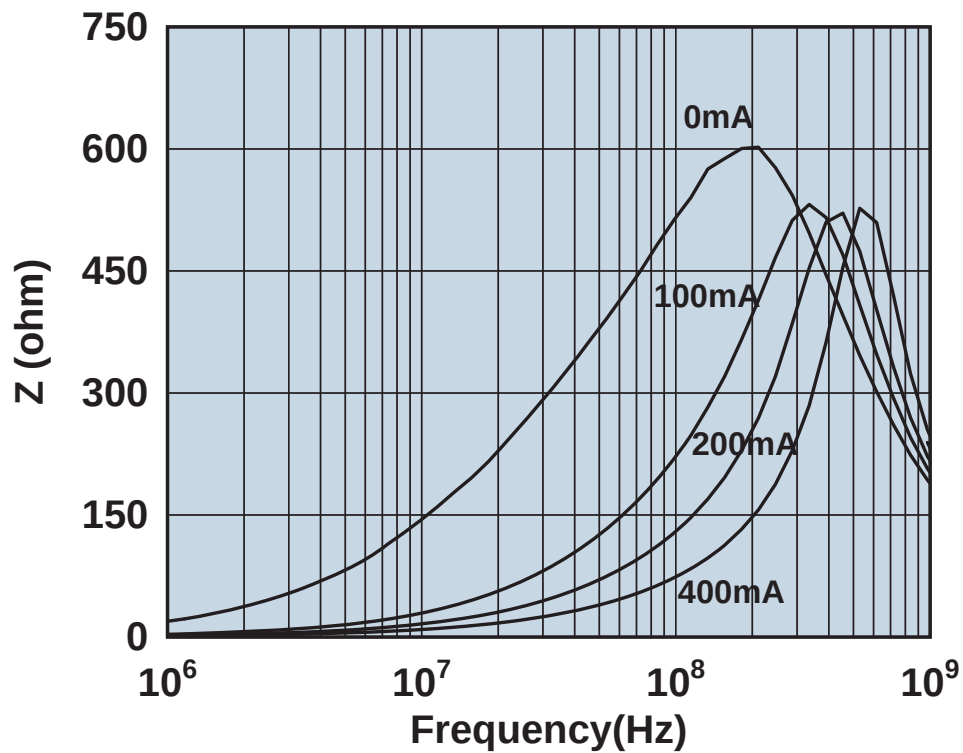


Impedance vs. frequency with dc bias.

2506036017Y0

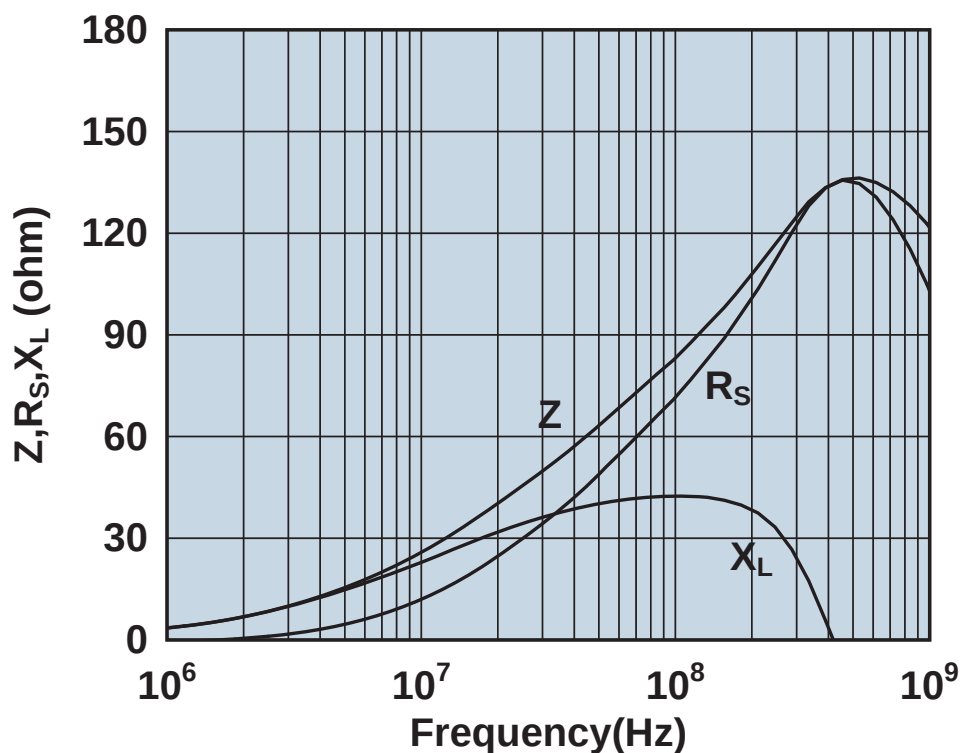


Impedance, reactance, and resistance vs. frequency.

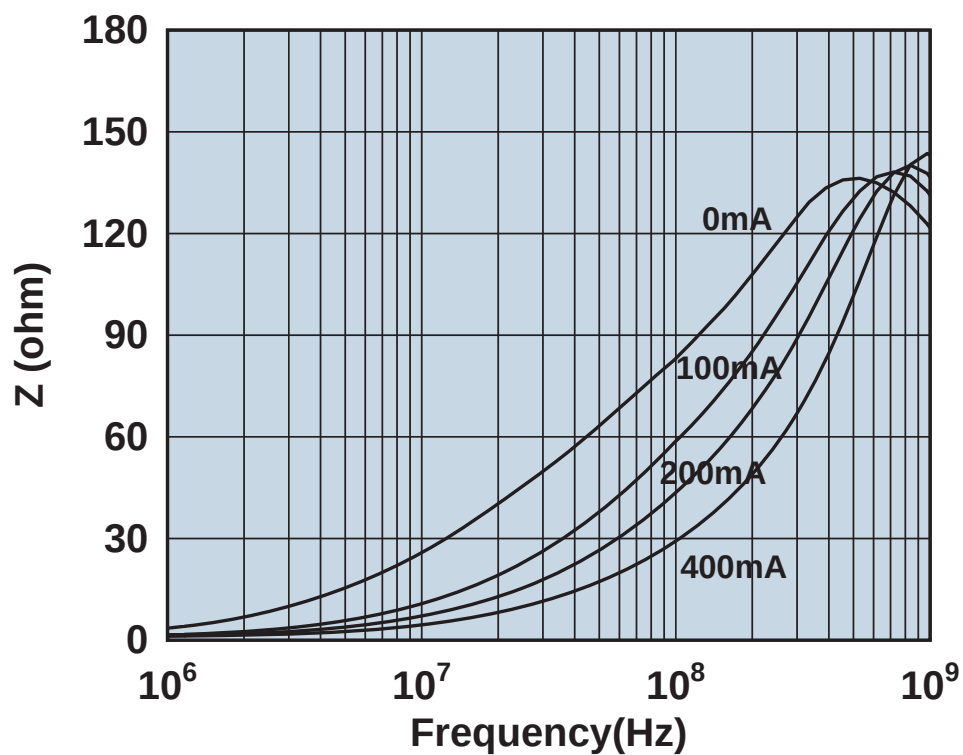


Impedance vs. frequency with dc bias.

2506038007Y0

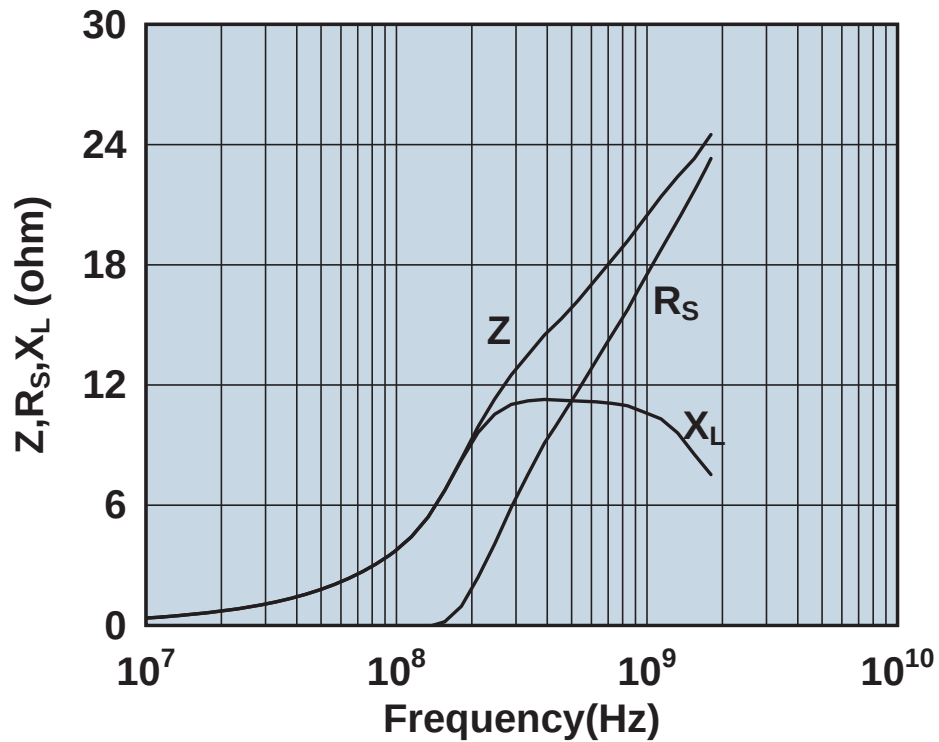


Impedance, reactance, and resistance vs. frequency.

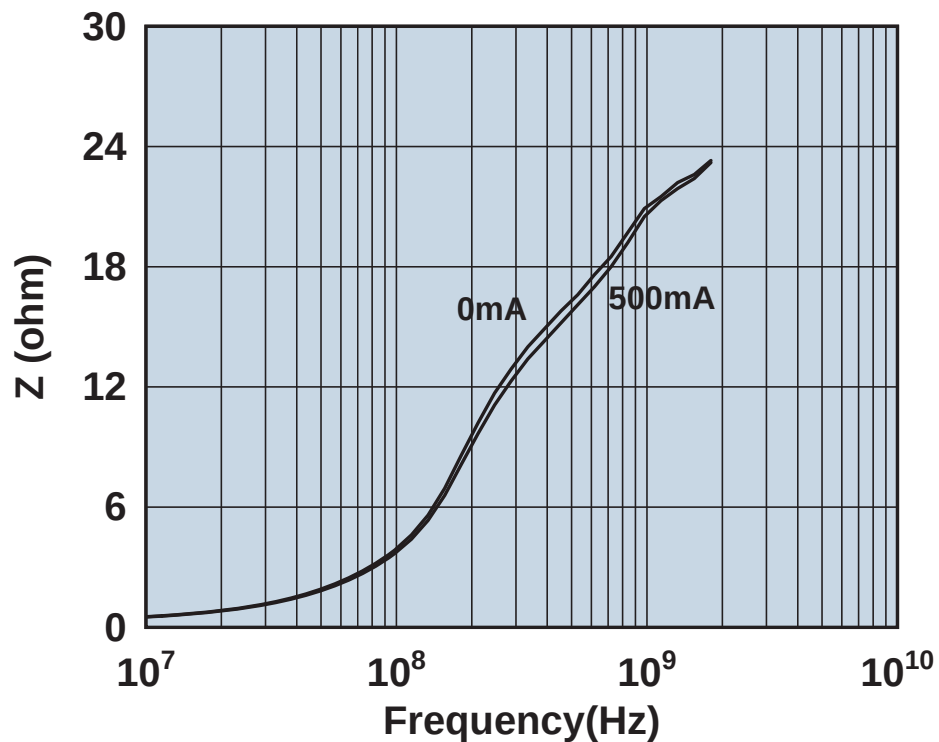


Impedance vs. frequency with dc bias.

2508050507H0

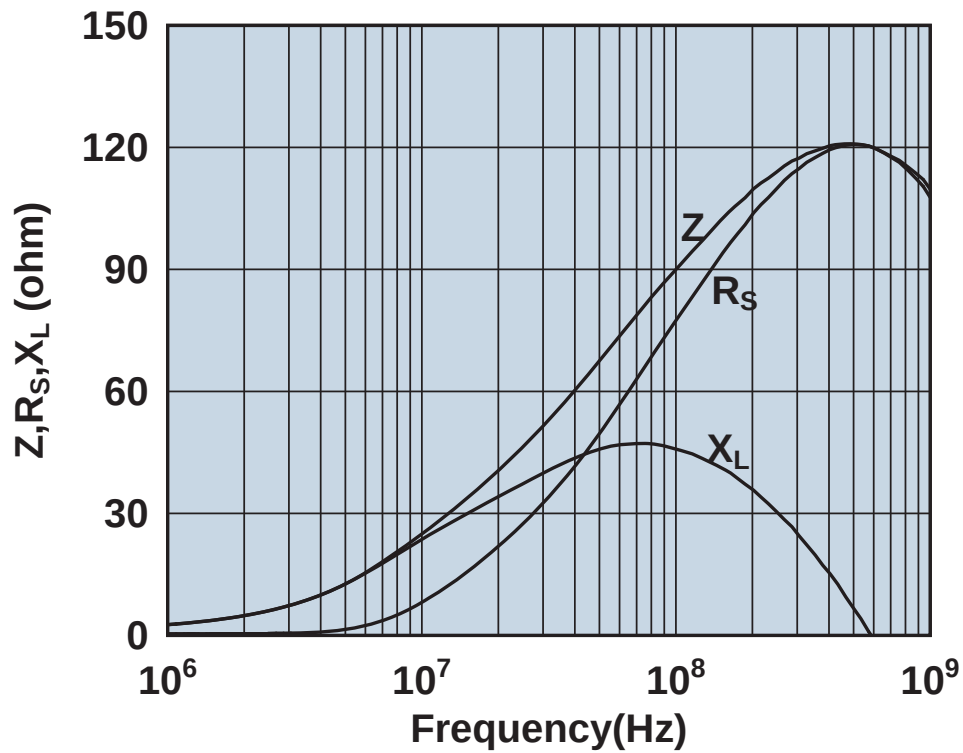


Impedance, reactance, and resistance vs. frequency.

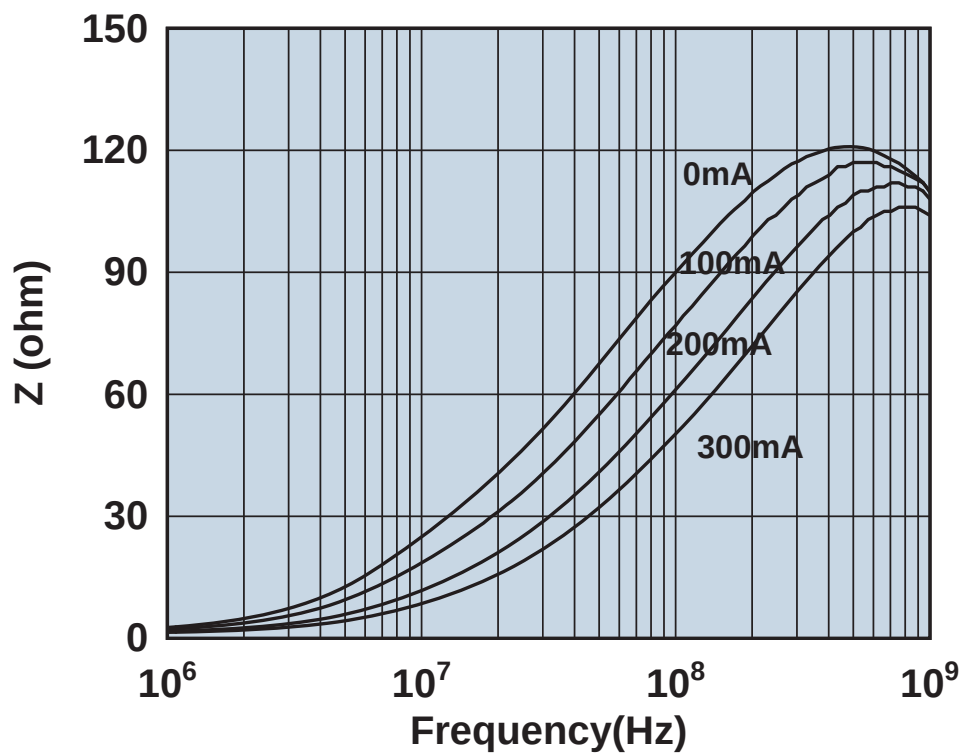


Impedance vs. frequency with dc bias.

2508051017Y0

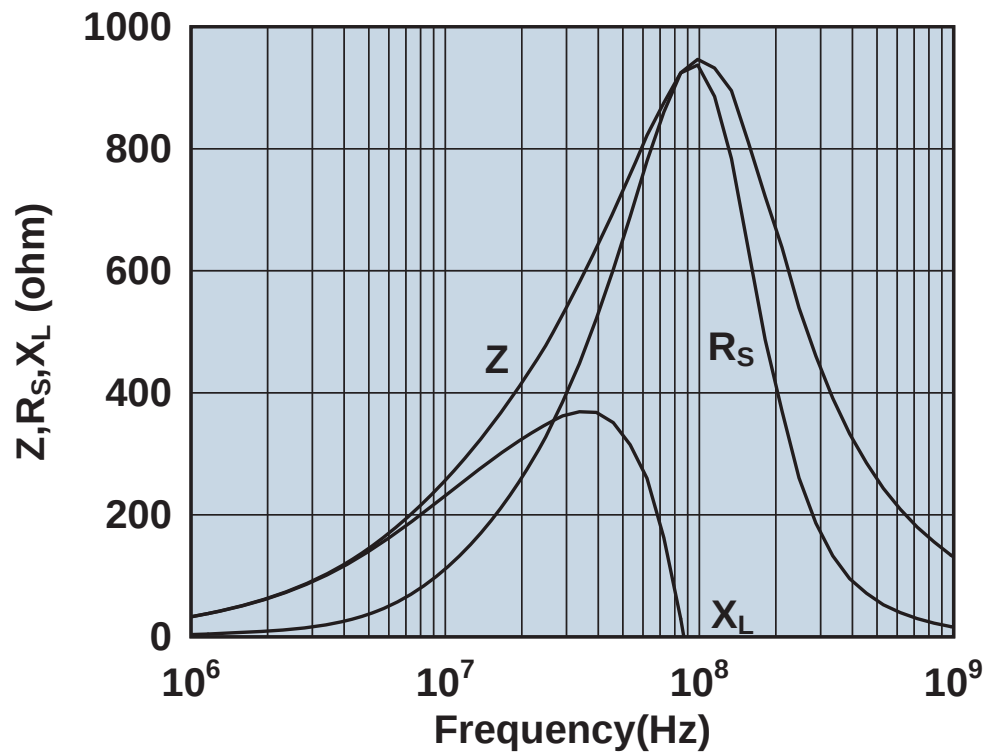


Impedance, reactance, and resistance vs. frequency.

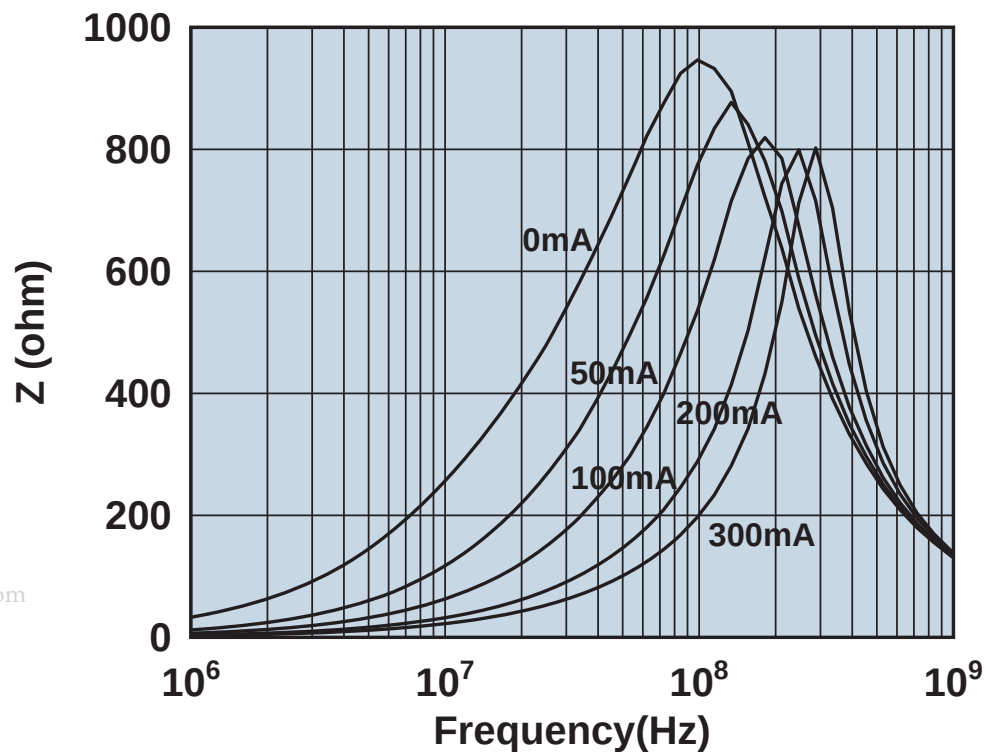


Impedance vs. frequency with dc bias.

2508051027Y0



Impedance, reactance, and resistance vs. frequency.

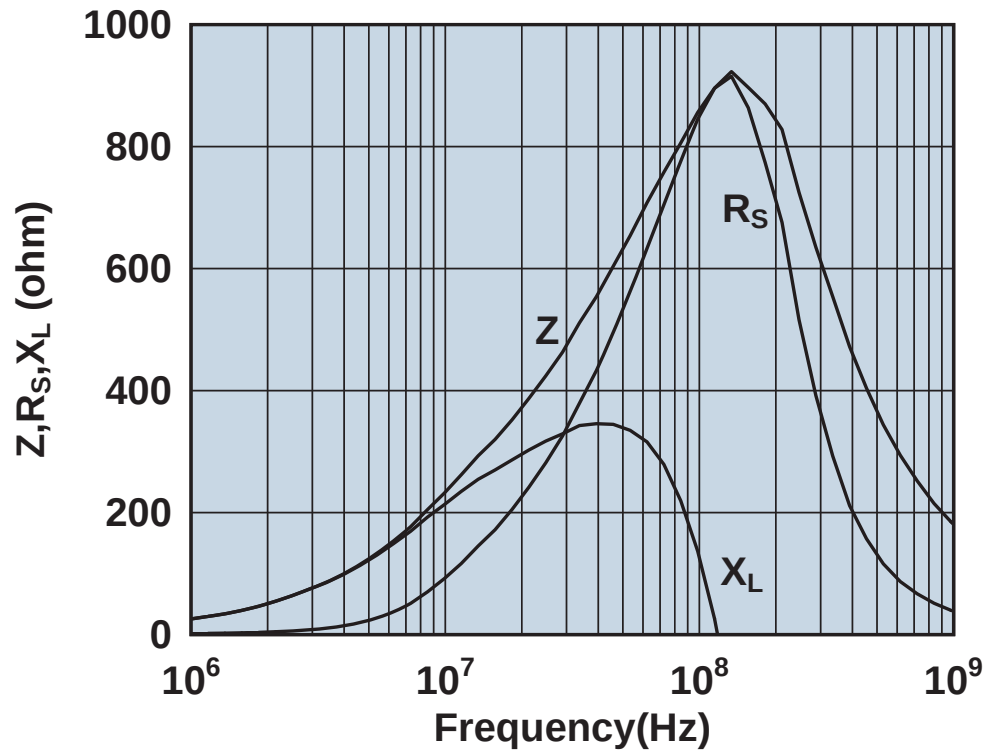


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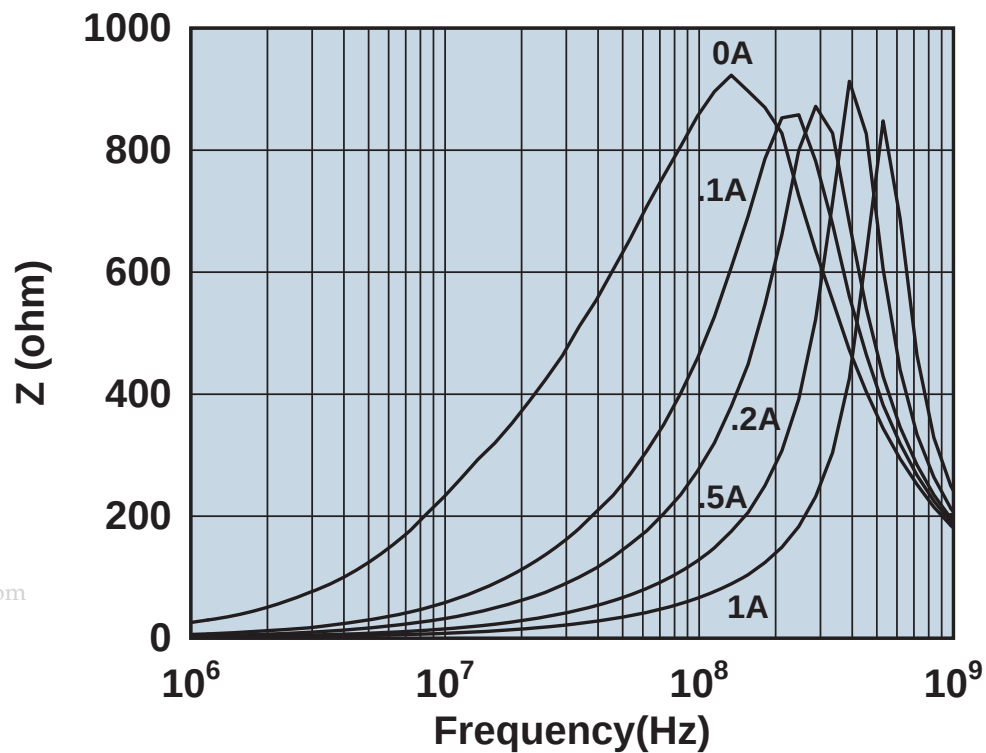
Impedance vs. frequency with dc bias.

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2508051027Y1

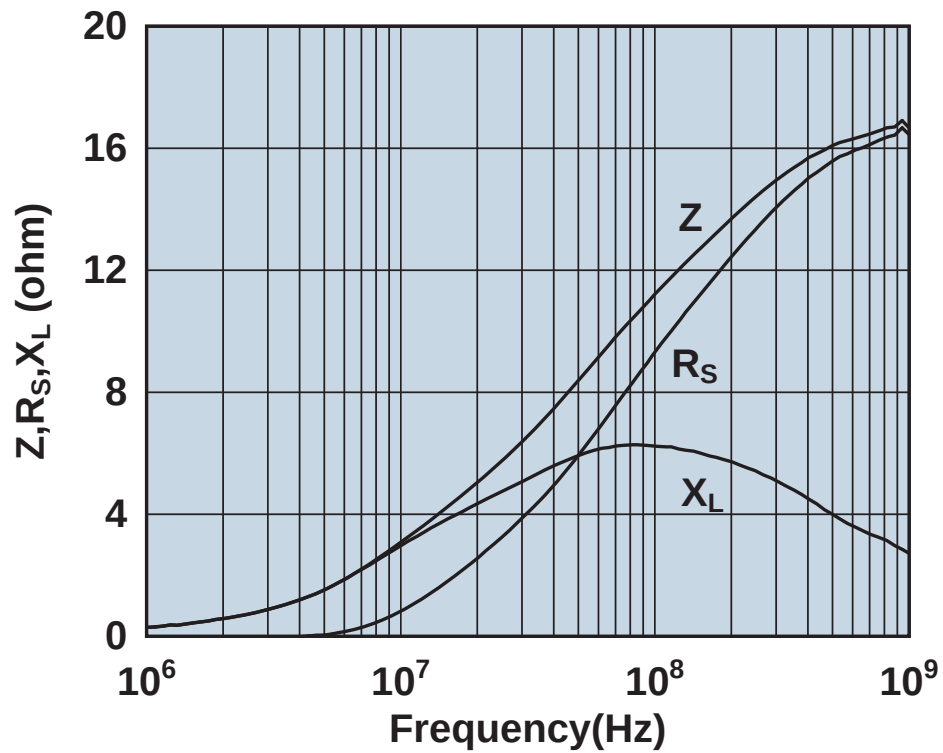


Impedance, reactance, and resistance vs. frequency.

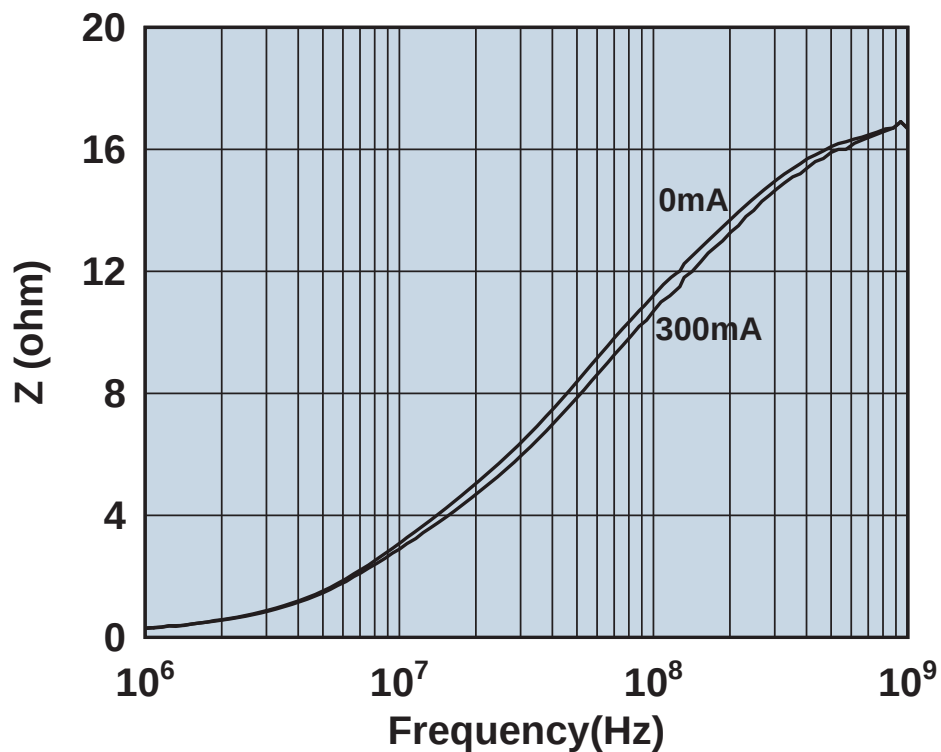


Impedance vs. frequency with dc bias.

2508051107Y0

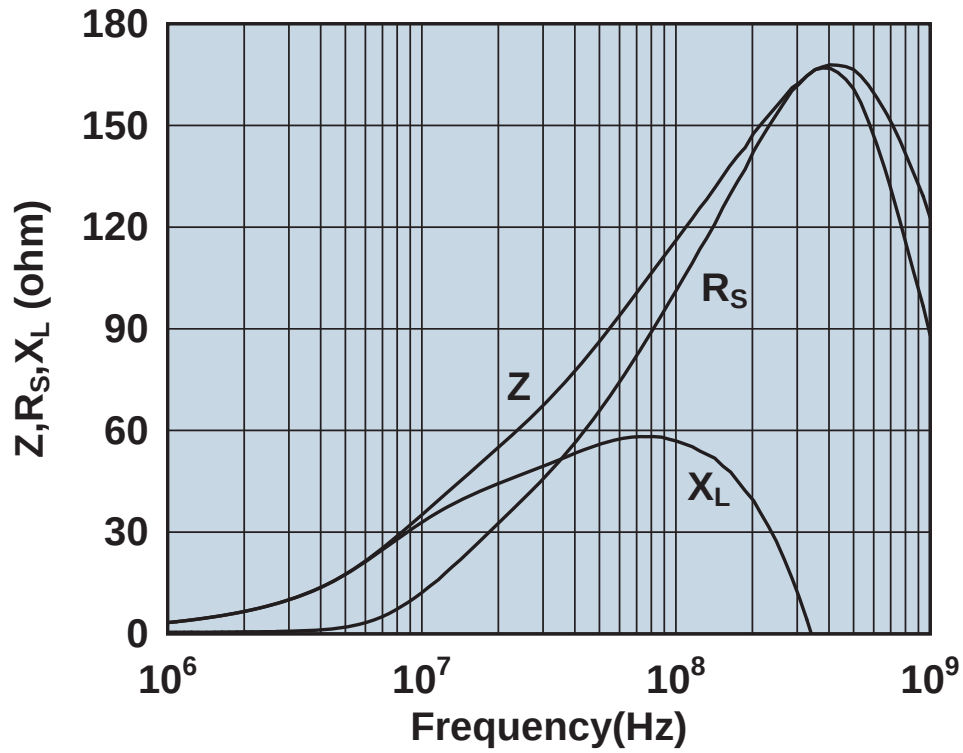


Impedance, reactance, and resistance vs. frequency.

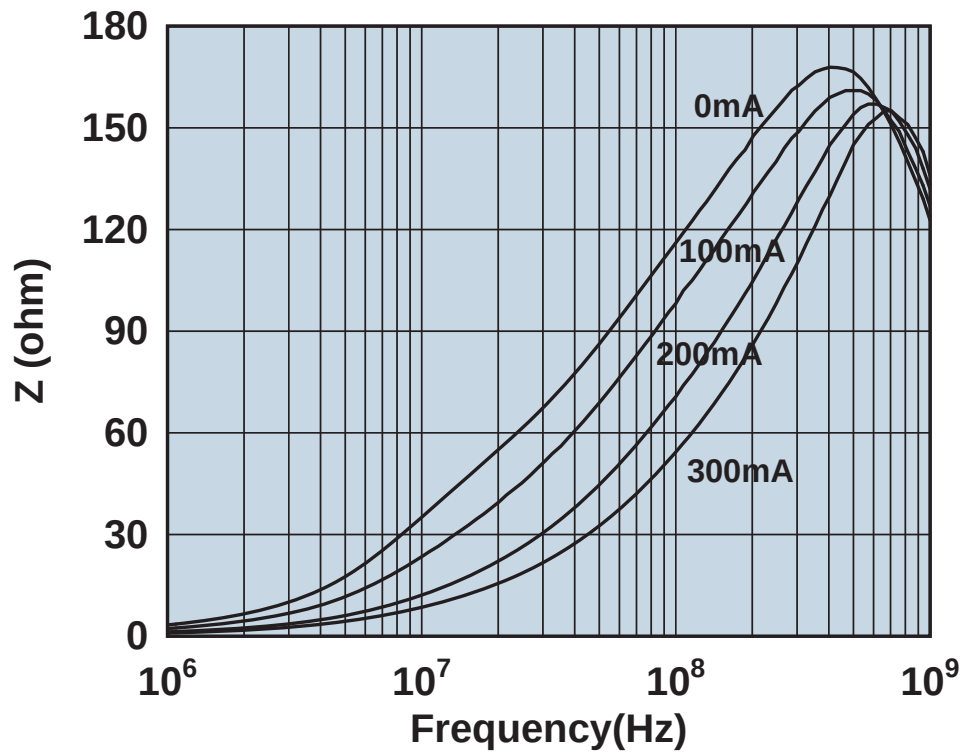


Impedance vs. frequency with dc bias.

2508051217Y0

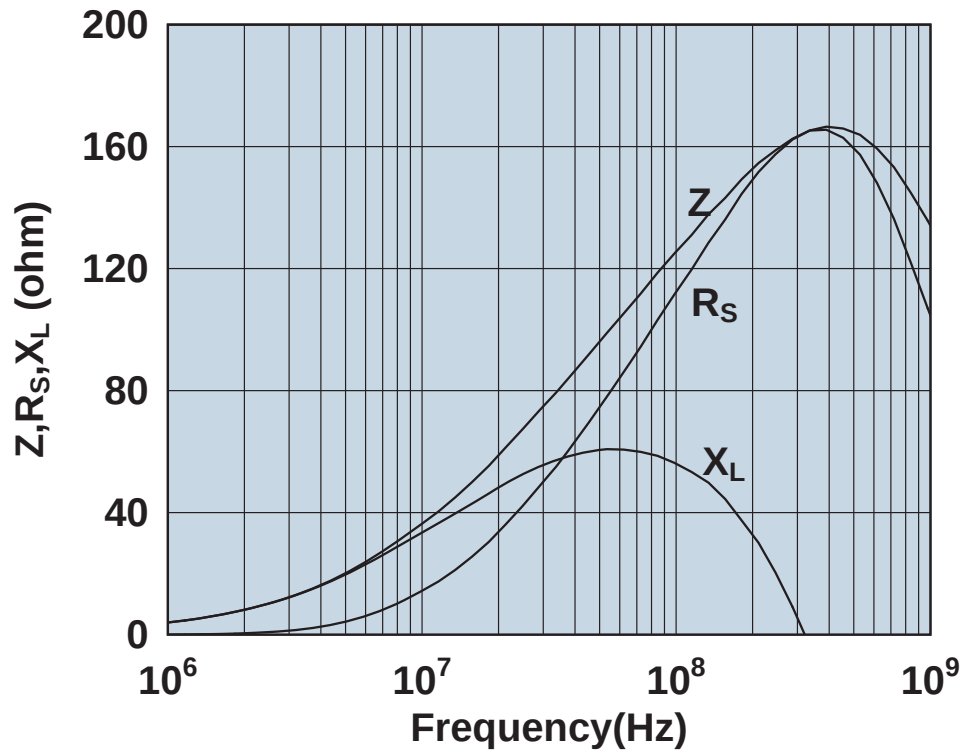


Impedance, reactance, and resistance vs. frequency.

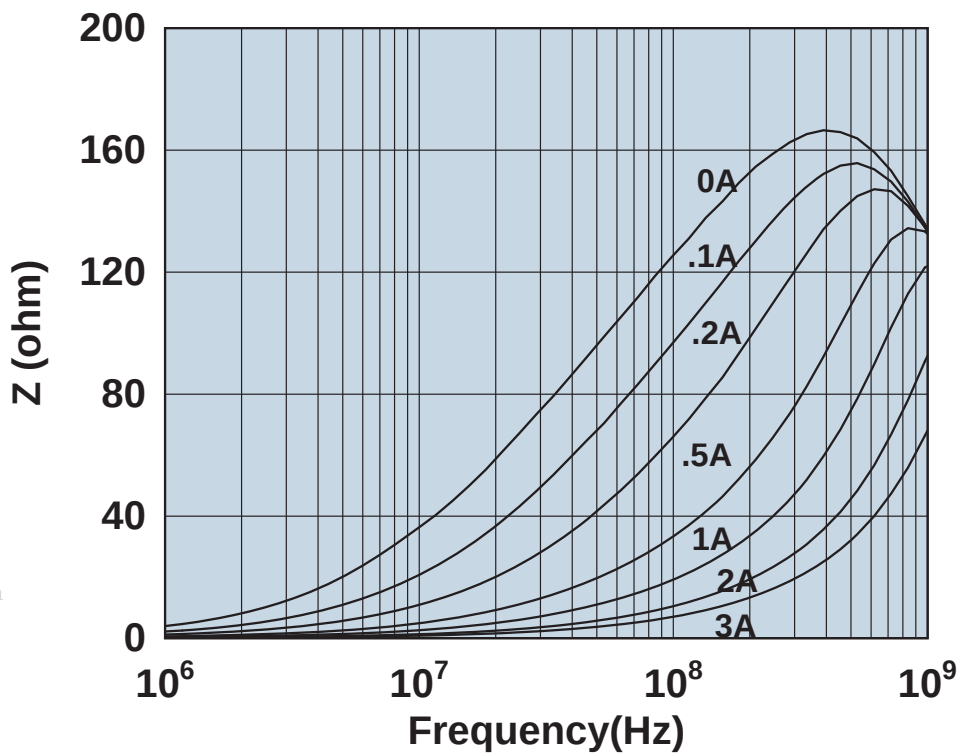


Impedance vs. frequency with dc bias.

2508051217Y3

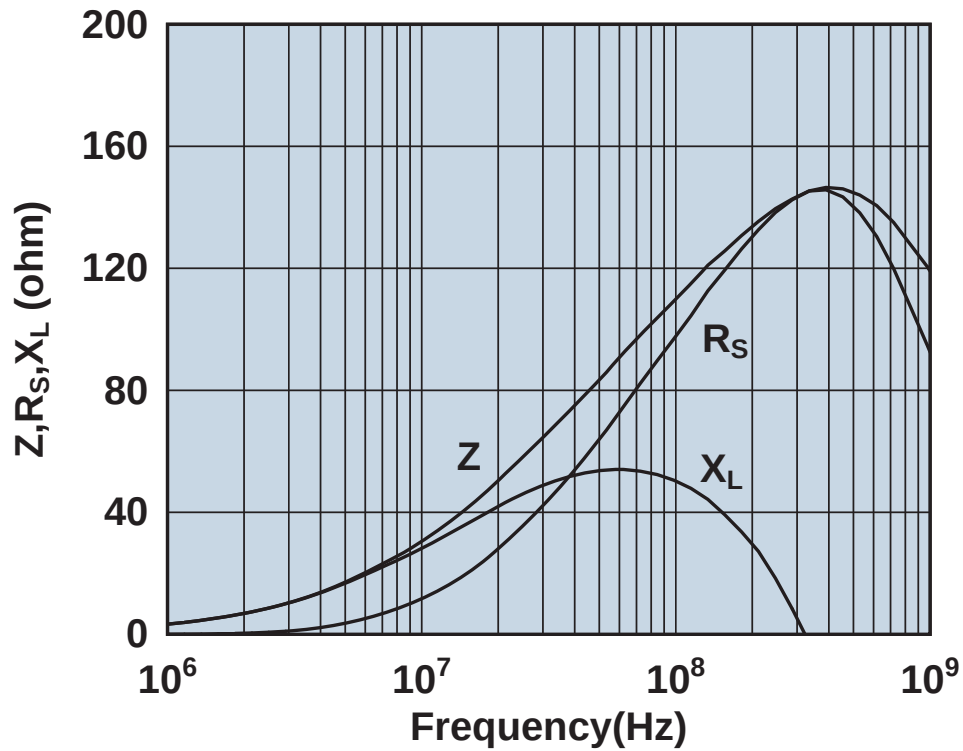


Impedance, reactance, and resistance vs. frequency.

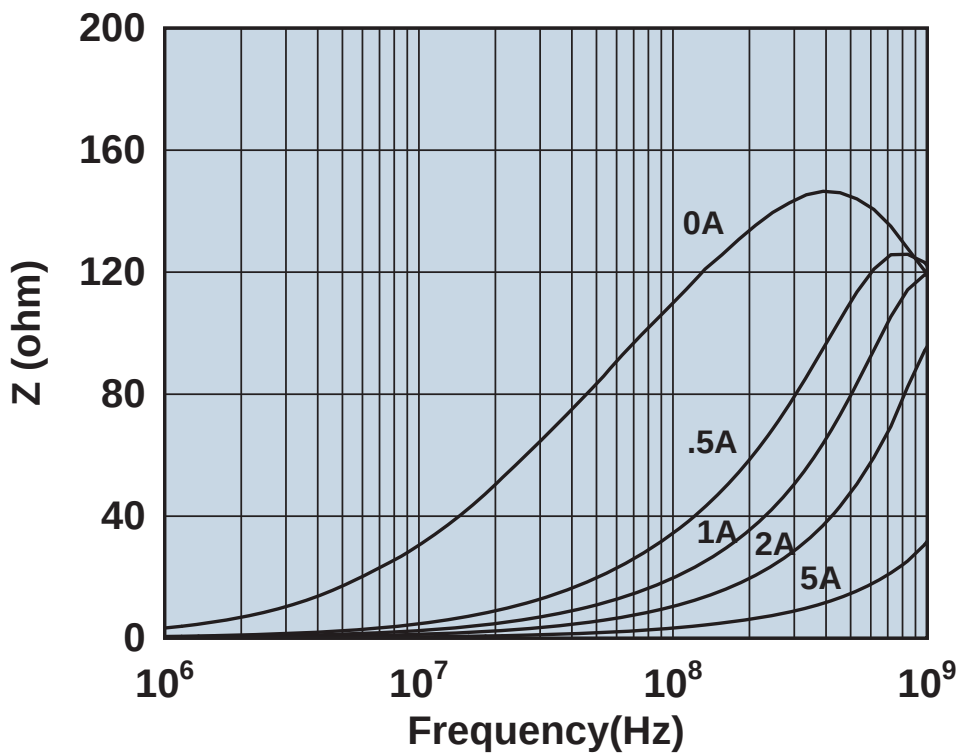


Impedance vs. frequency with dc bias.

2508051217Y6

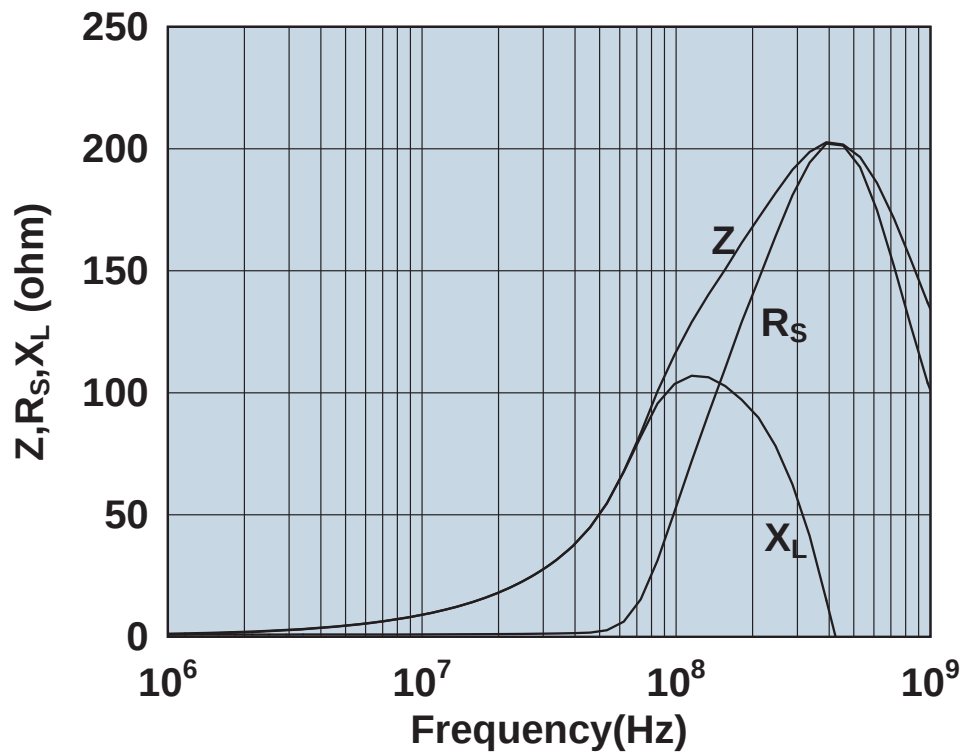


Impedance, reactance, and resistance vs. frequency.

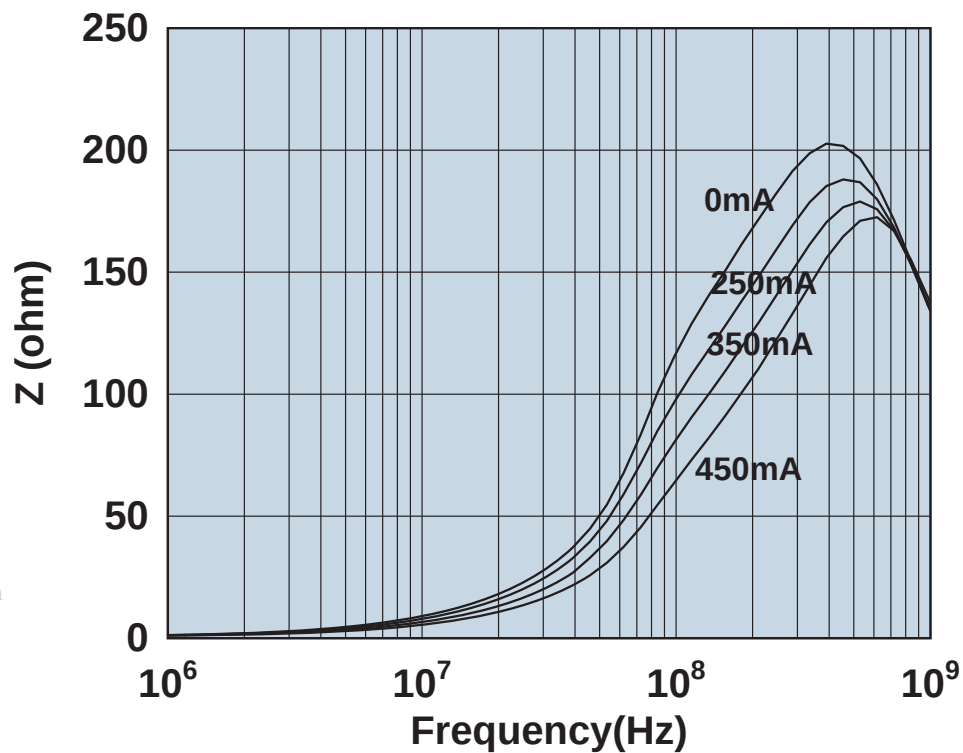


Impedance vs. frequency with dc bias.

2508051217Z0

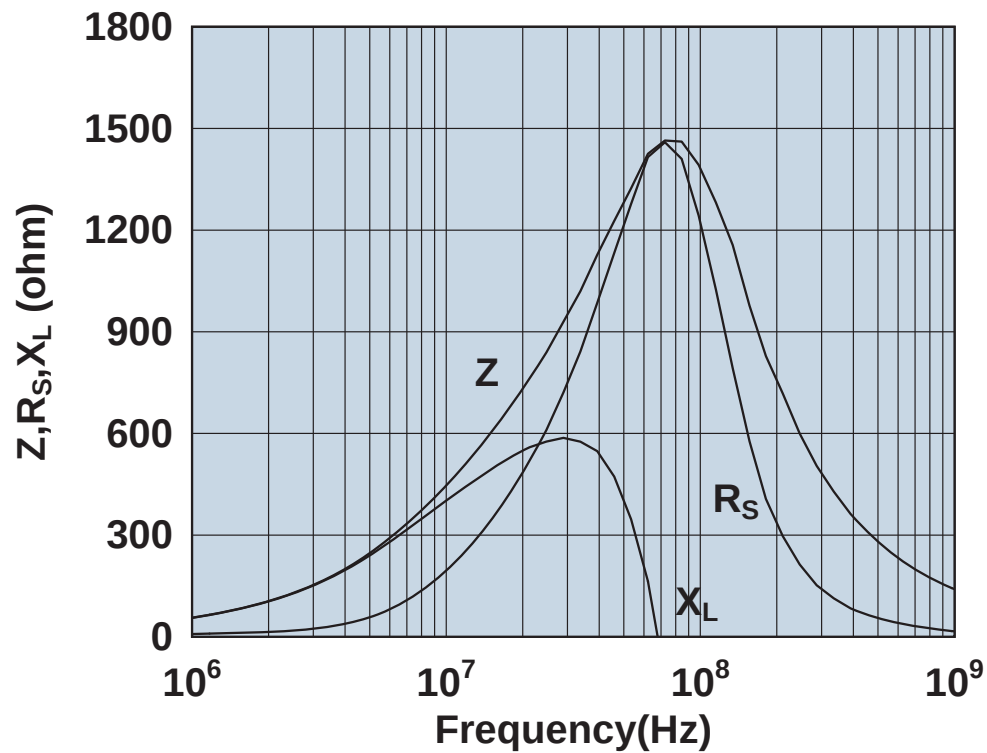


Impedance, reactance, and resistance vs. frequency.

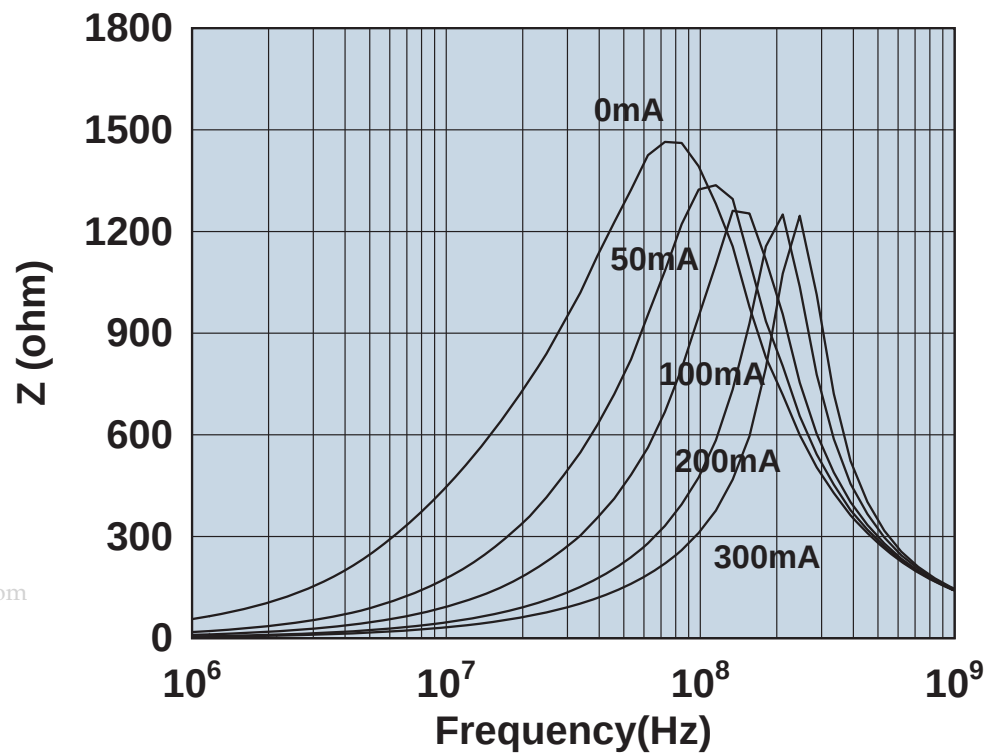


Impedance vs. frequency with dc bias.

2508051527Y0

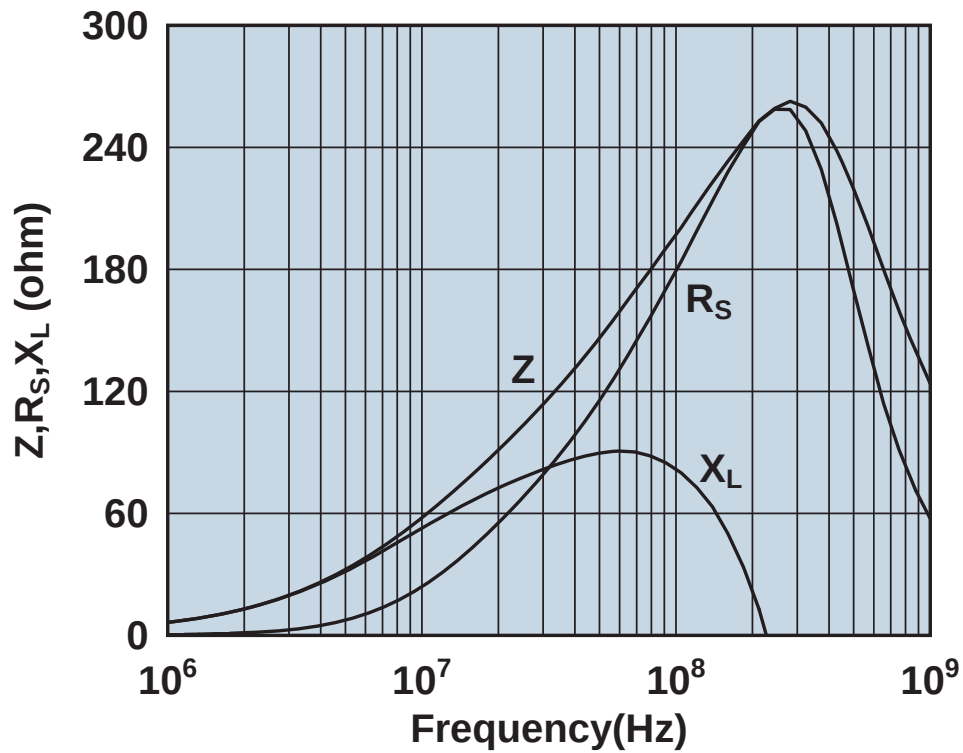


Impedance, reactance, and resistance vs. frequency.

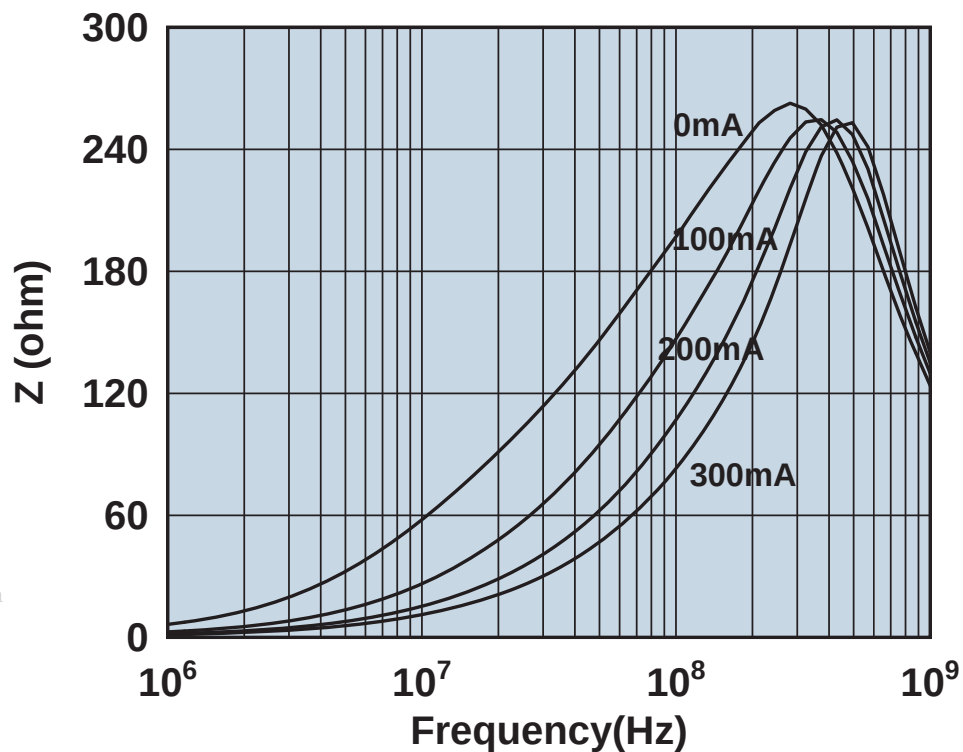


Impedance vs. frequency with dc bias.

2508051817Y0

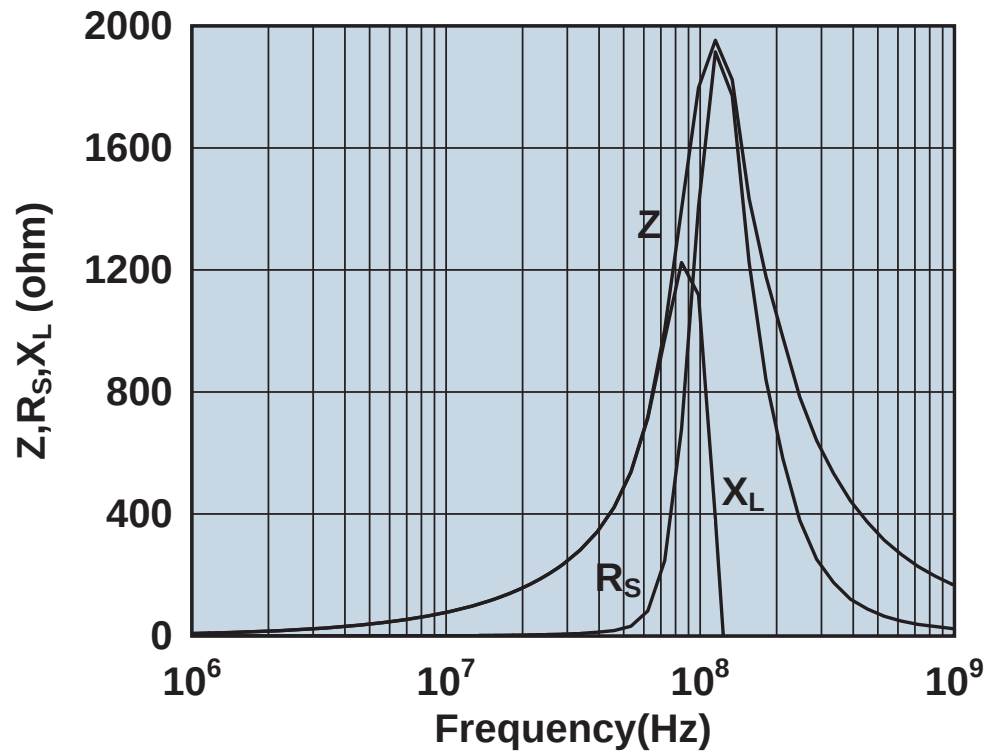


Impedance, reactance, and resistance vs. frequency.

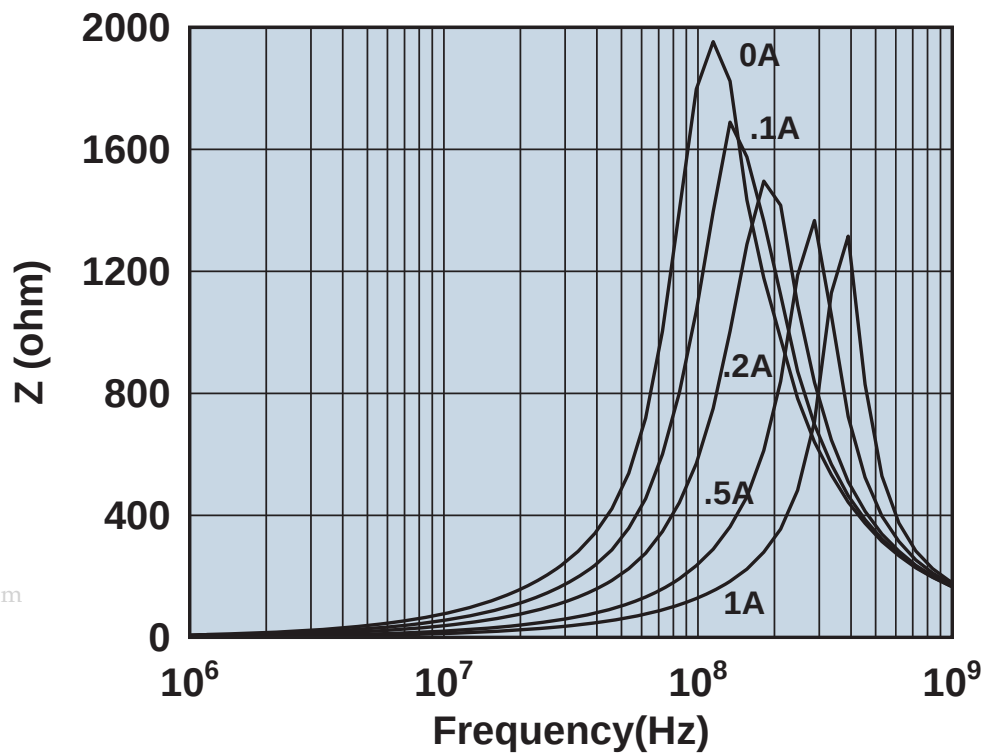


Impedance vs. frequency with dc bias.

2508052027Y1



Impedance, reactance, and resistance vs. frequency.

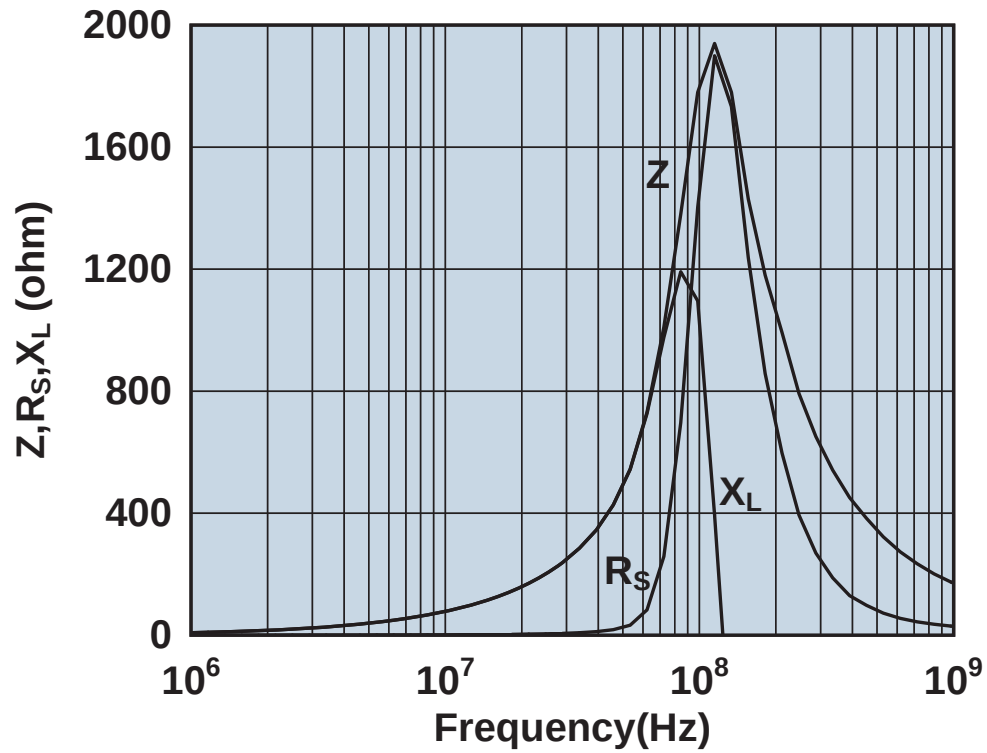


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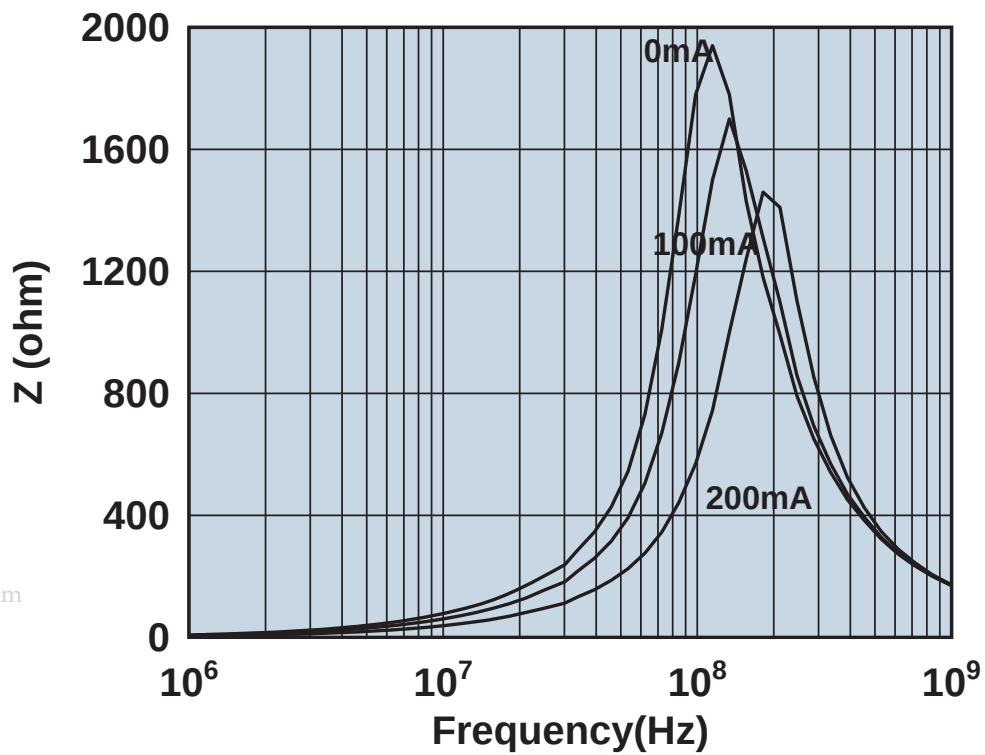
Impedance vs. frequency with dc bias.

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2508052027Z0

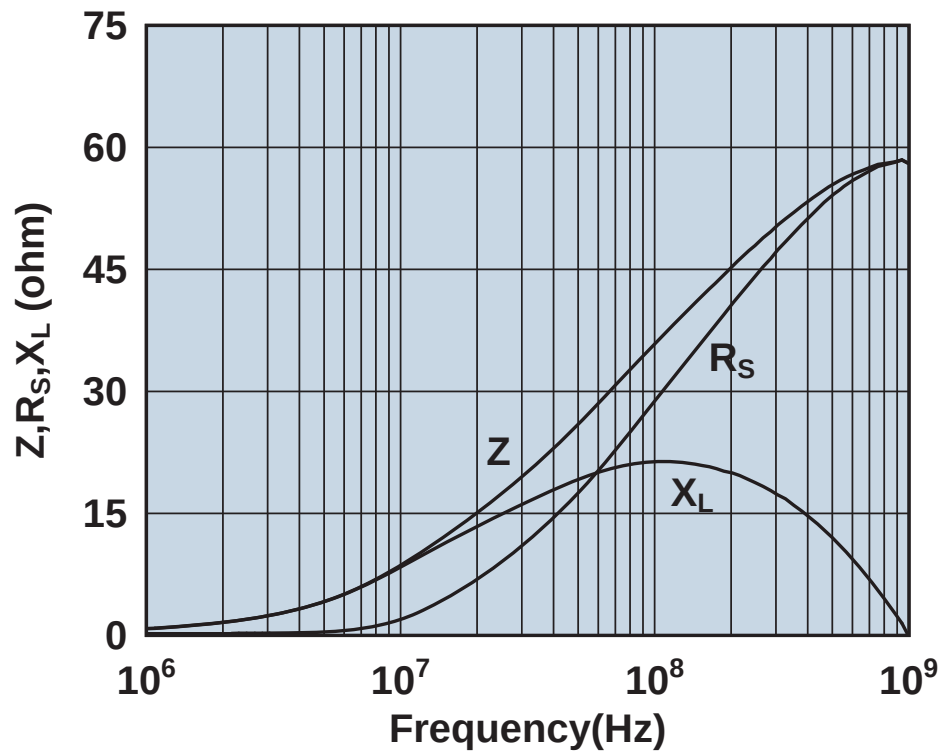


Impedance, reactance, and resistance vs. frequency.

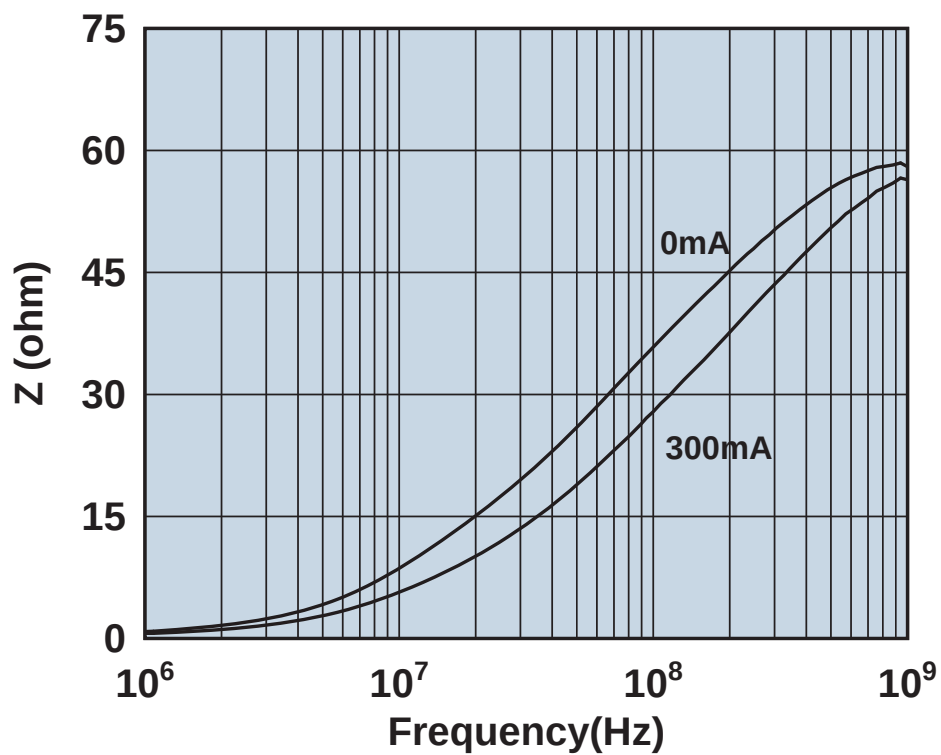


Impedance vs. frequency with dc bias.

2508053007Y0

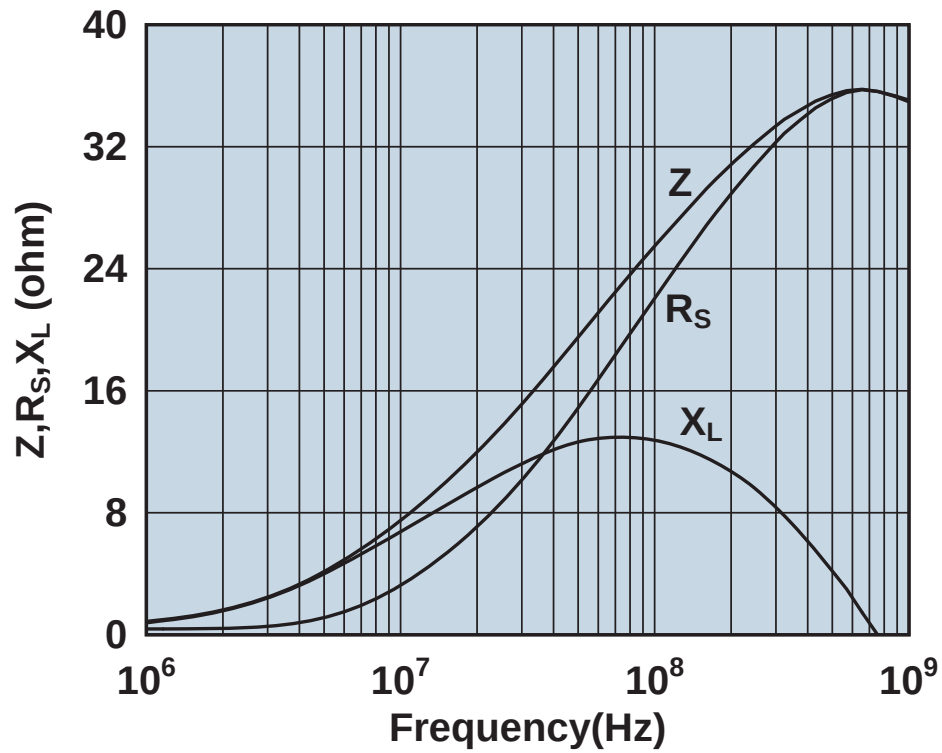


Impedance, reactance, and resistance vs. frequency.

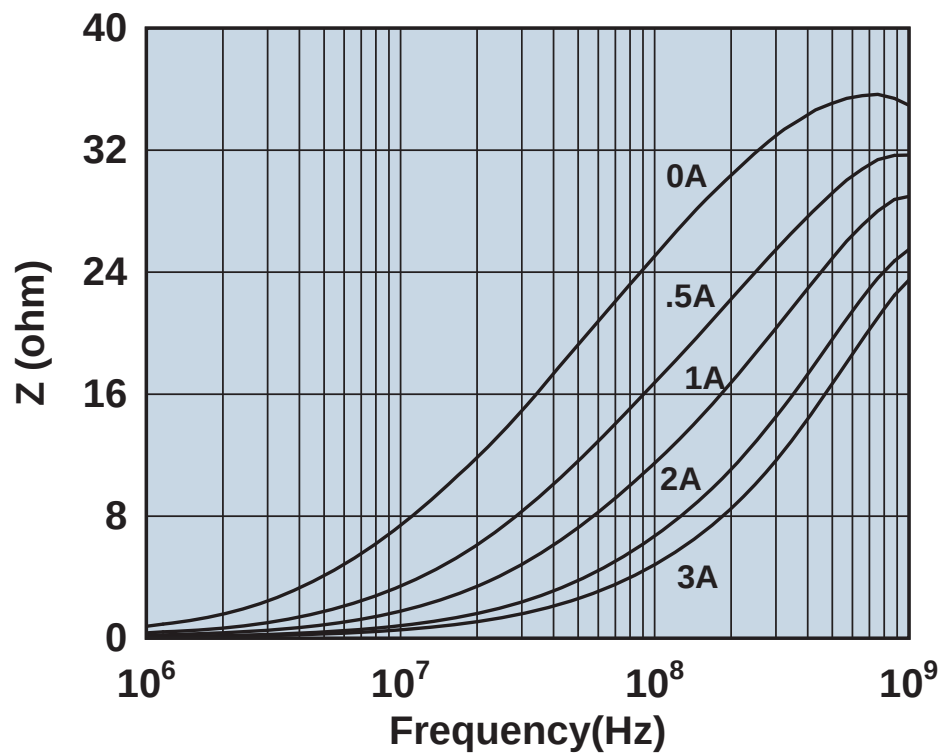


Impedance vs. frequency with dc bias.

2508053007Y3

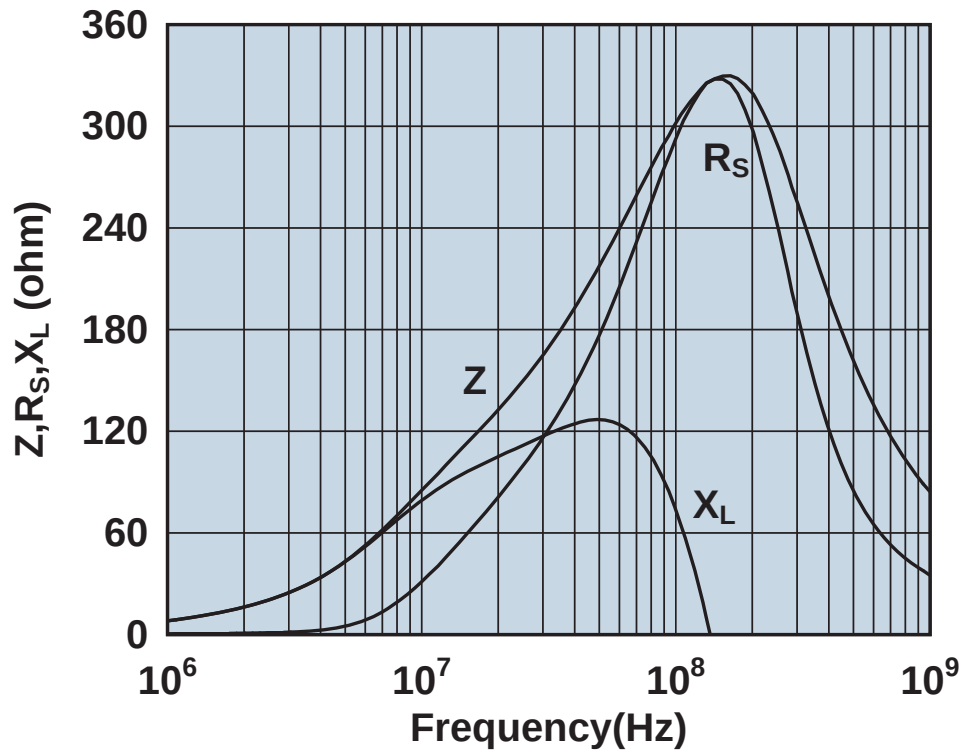


Impedance, reactance, and resistance vs. frequency.

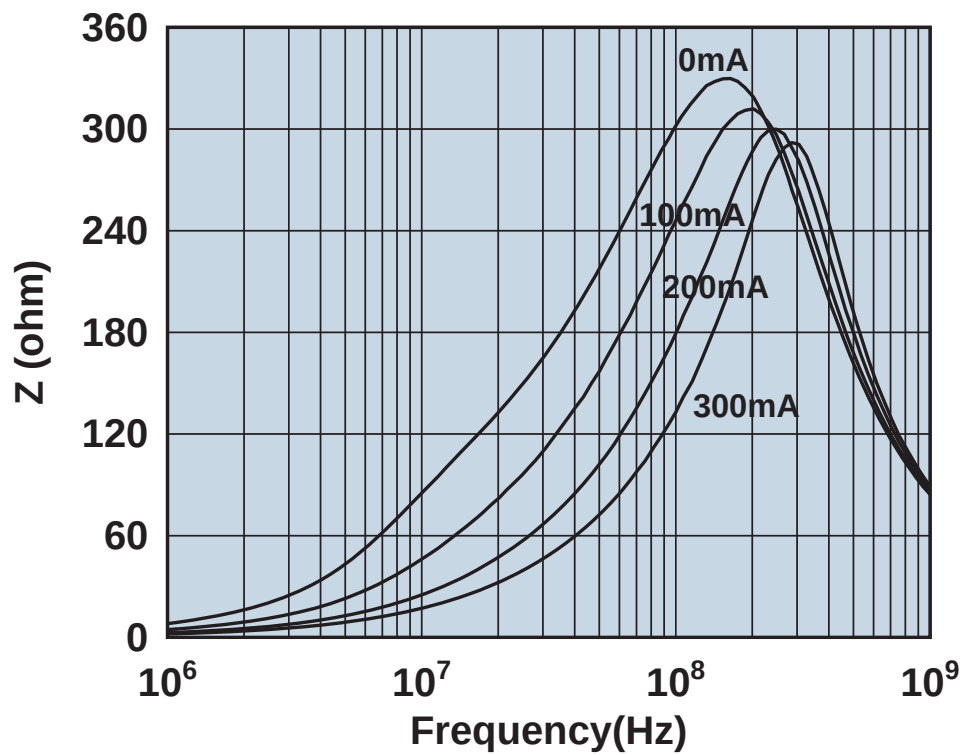


Impedance vs. frequency with dc bias.

2508053017Y0

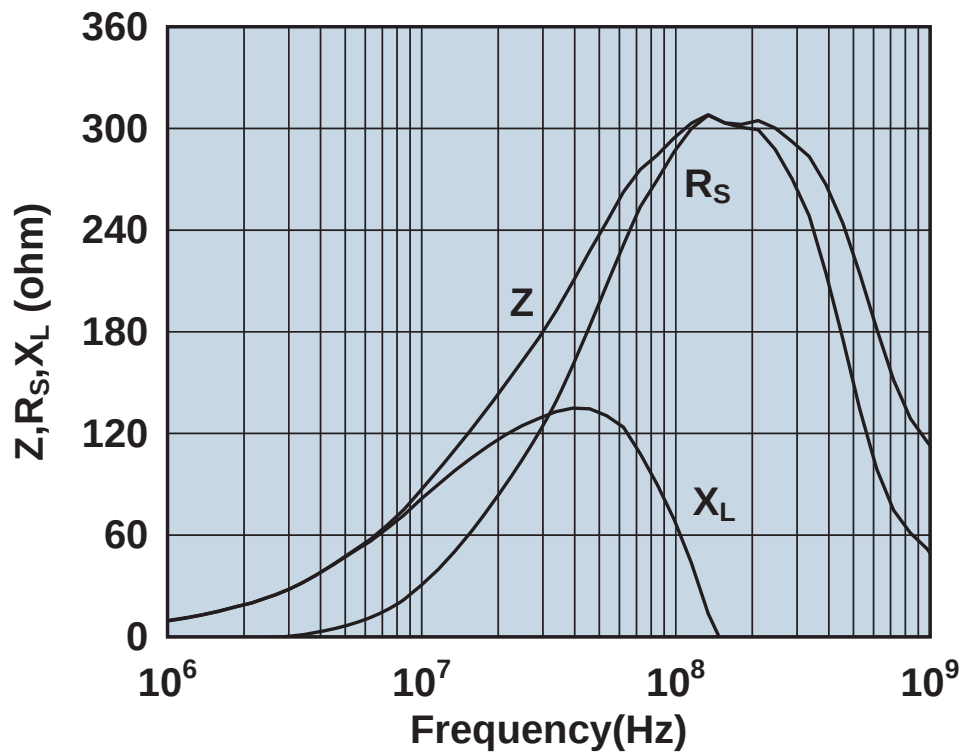


Impedance, reactance, and resistance vs. frequency.

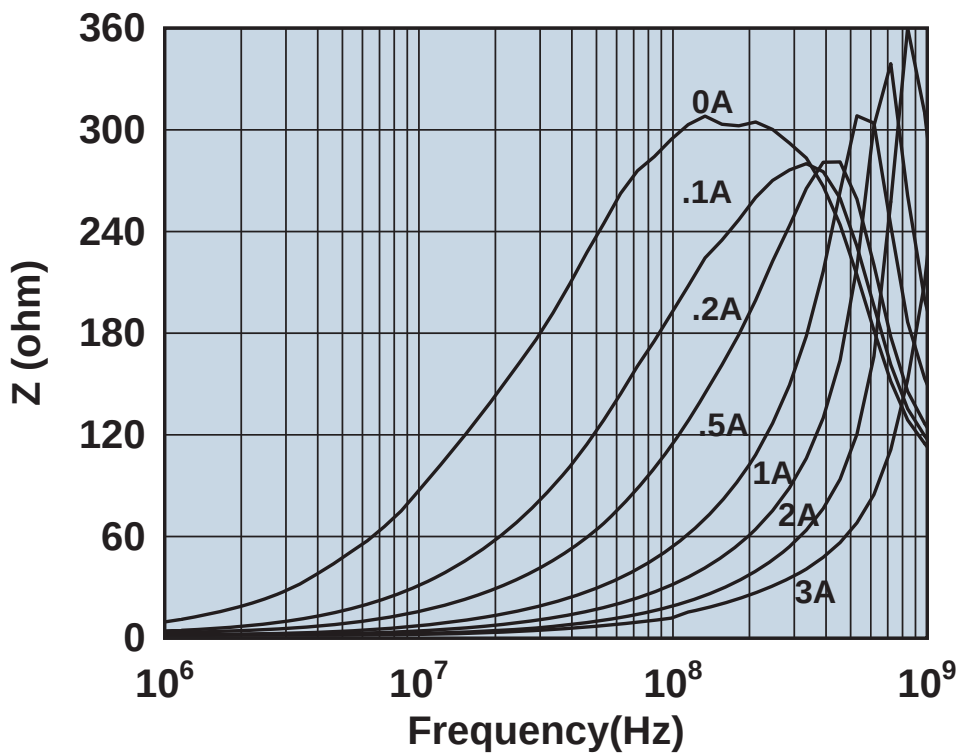


Impedance vs. frequency with dc bias.

2508053017Y3

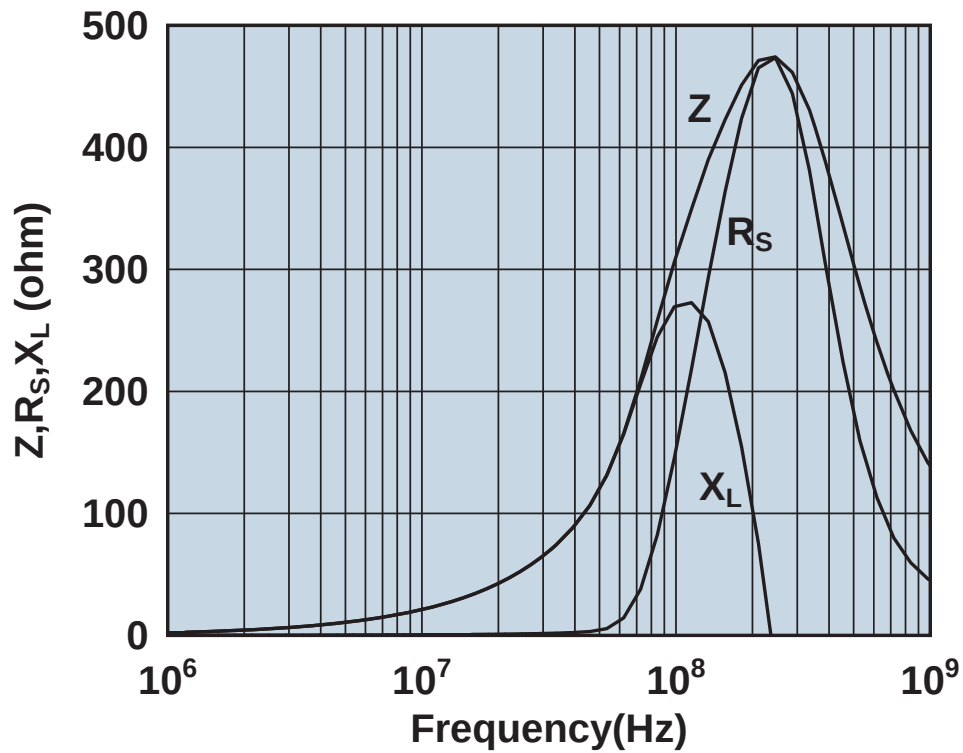


Impedance, reactance, and resistance vs. frequency.

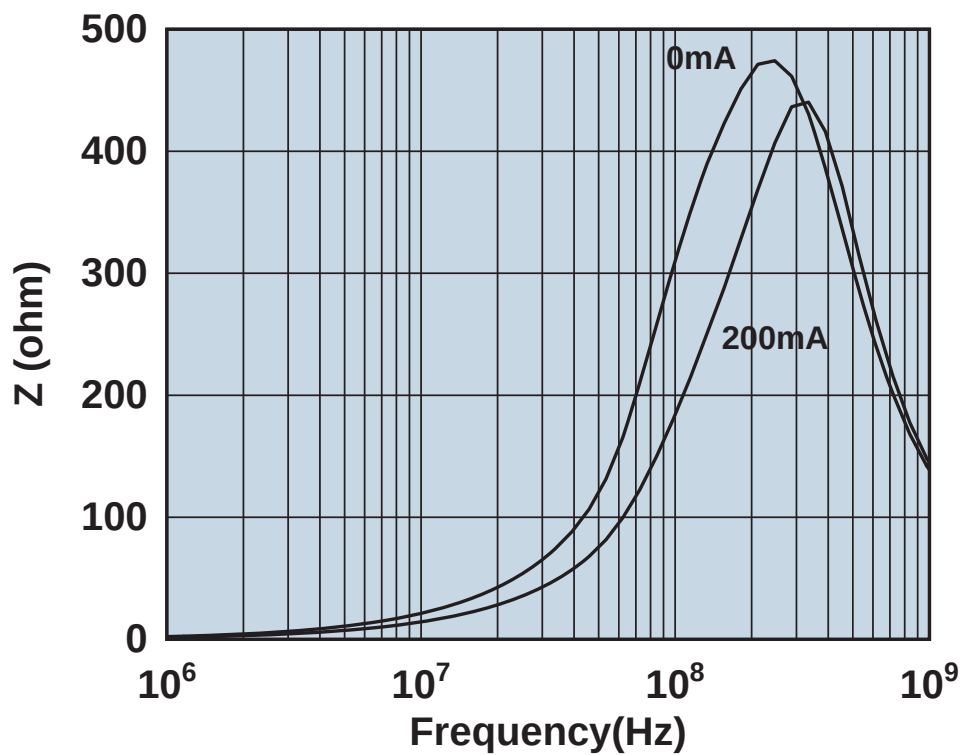


Impedance vs. frequency with dc bias.

2508053017Z0

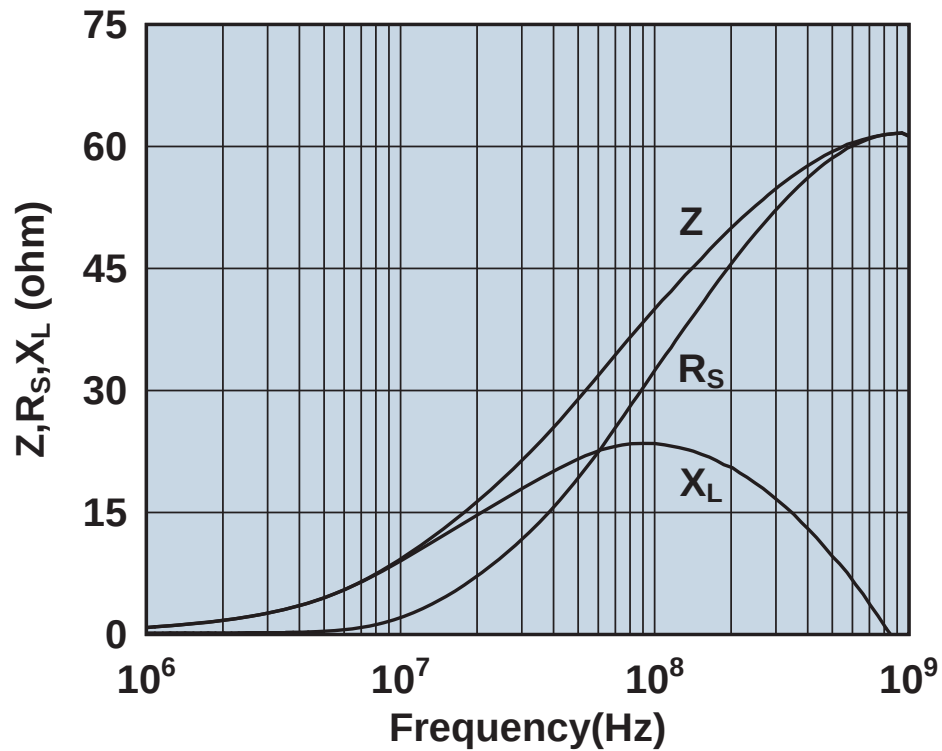


Impedance, reactance, and resistance vs. frequency.

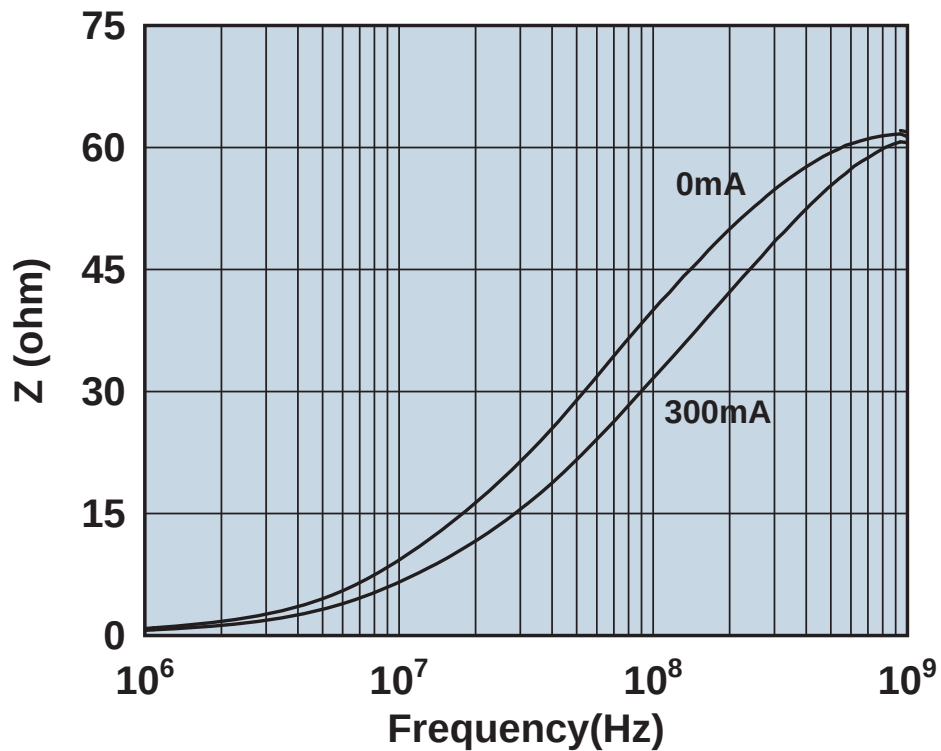


Impedance vs. frequency with dc bias.

2508055007Y0

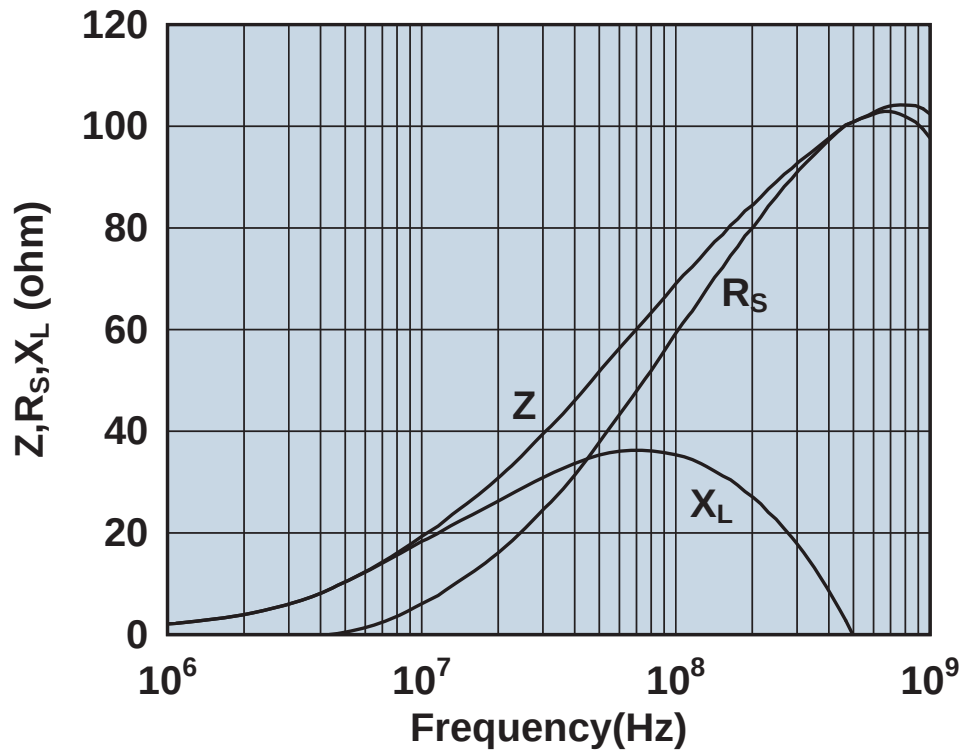


Impedance, reactance, and resistance vs. frequency.

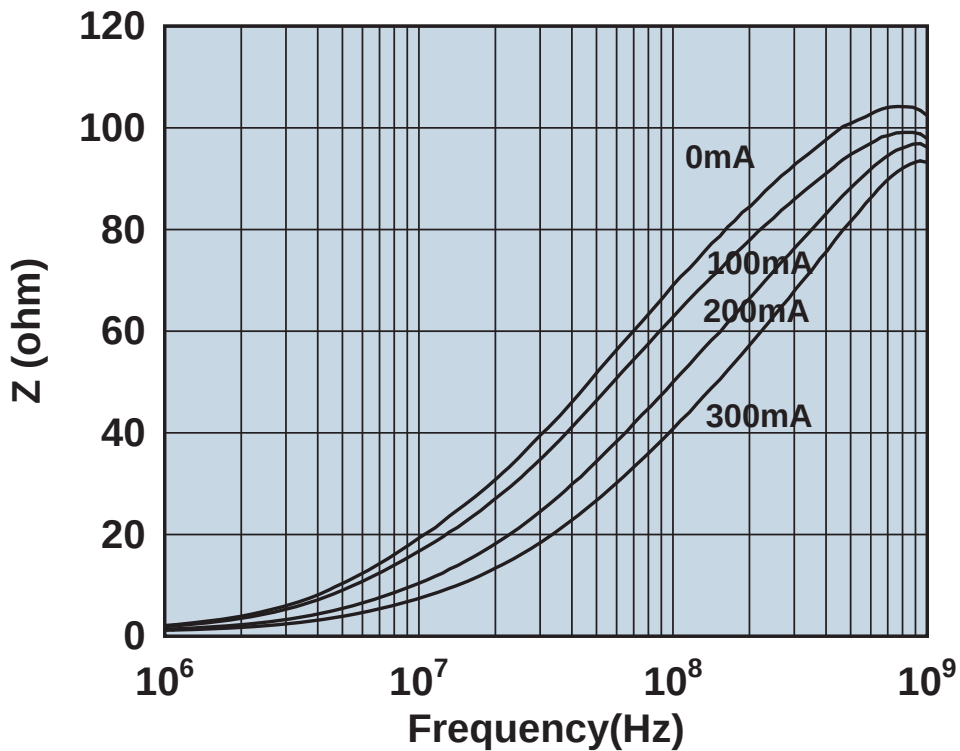


Impedance vs. frequency with dc bias.

2508056007Y0

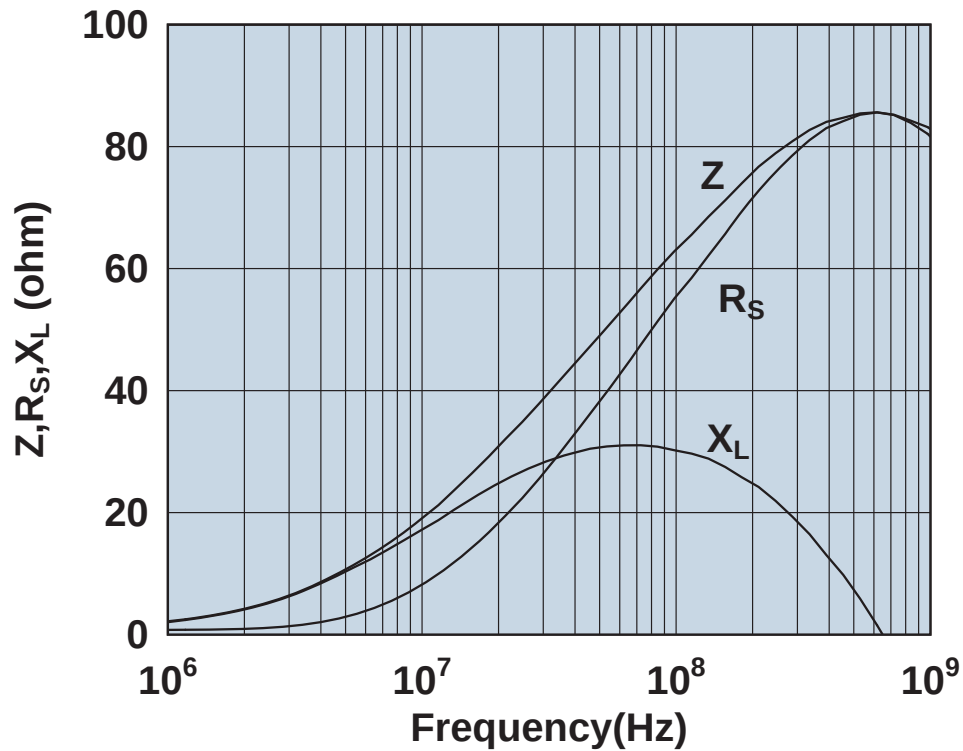


Impedance, reactance, and resistance vs. frequency.

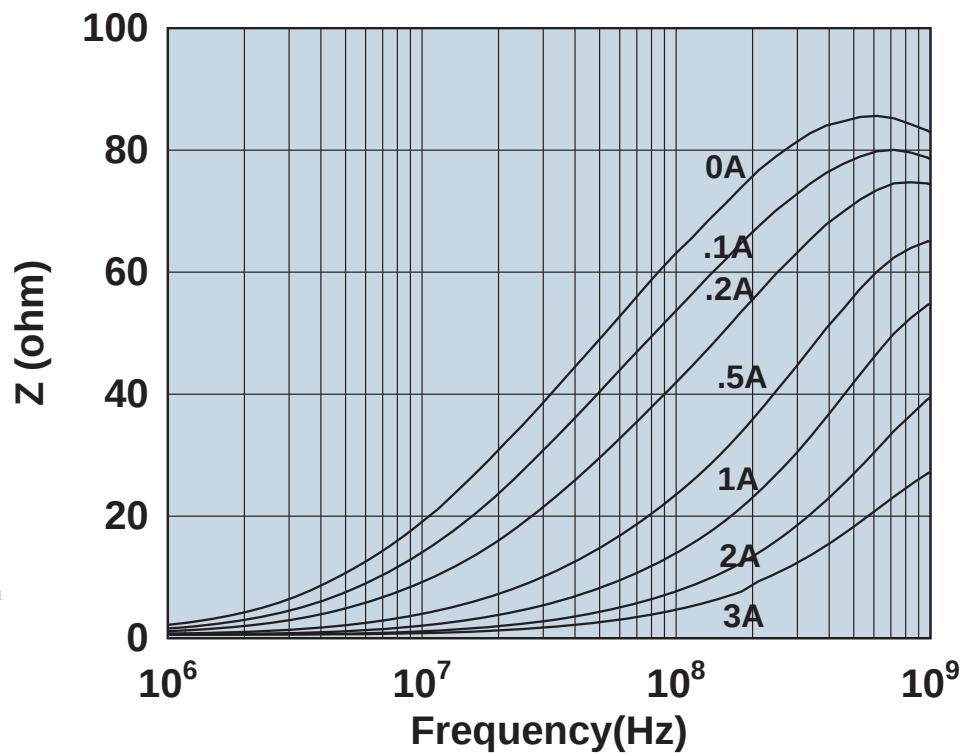


Impedance vs. frequency with dc bias.

2508056007Y3

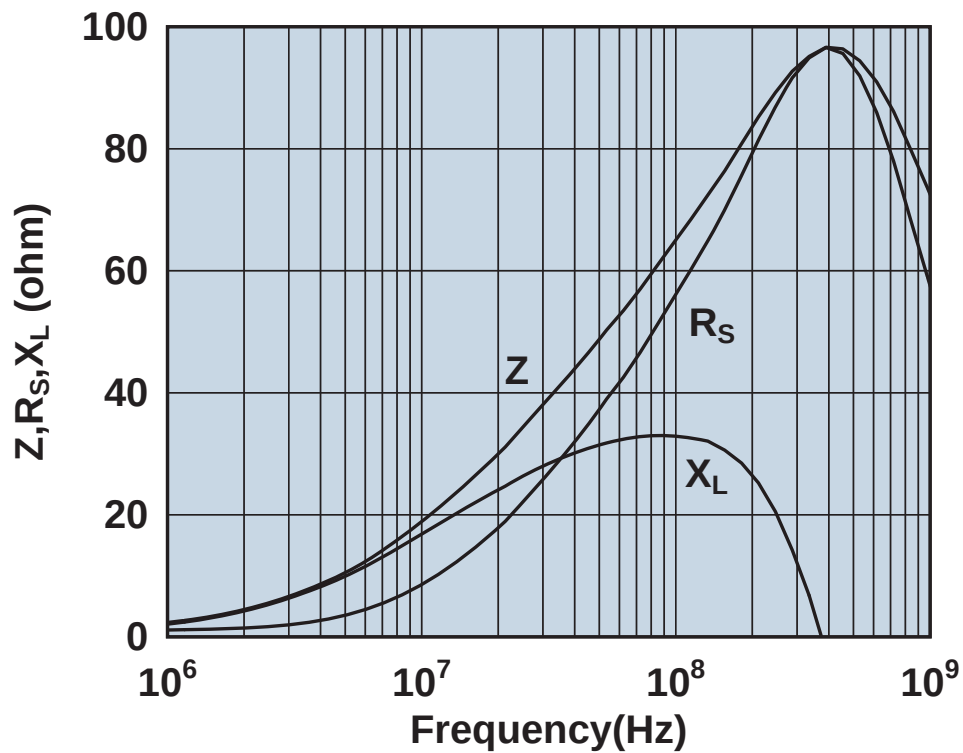


Impedance, reactance, and resistance vs. frequency.

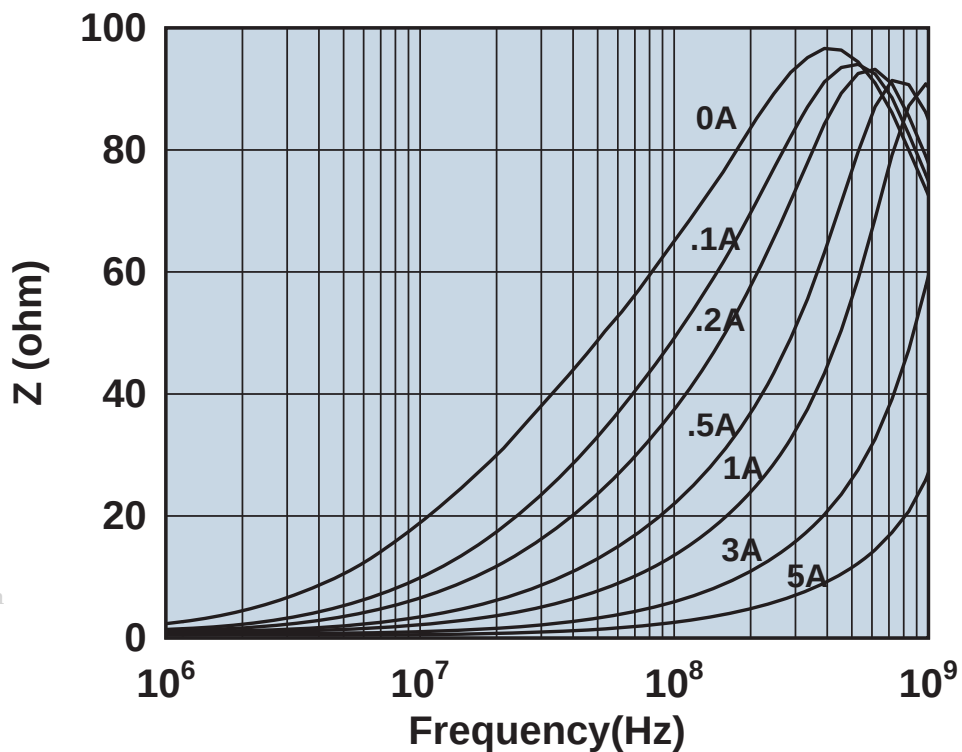


Impedance vs. frequency with dc bias.

2508056007Y6

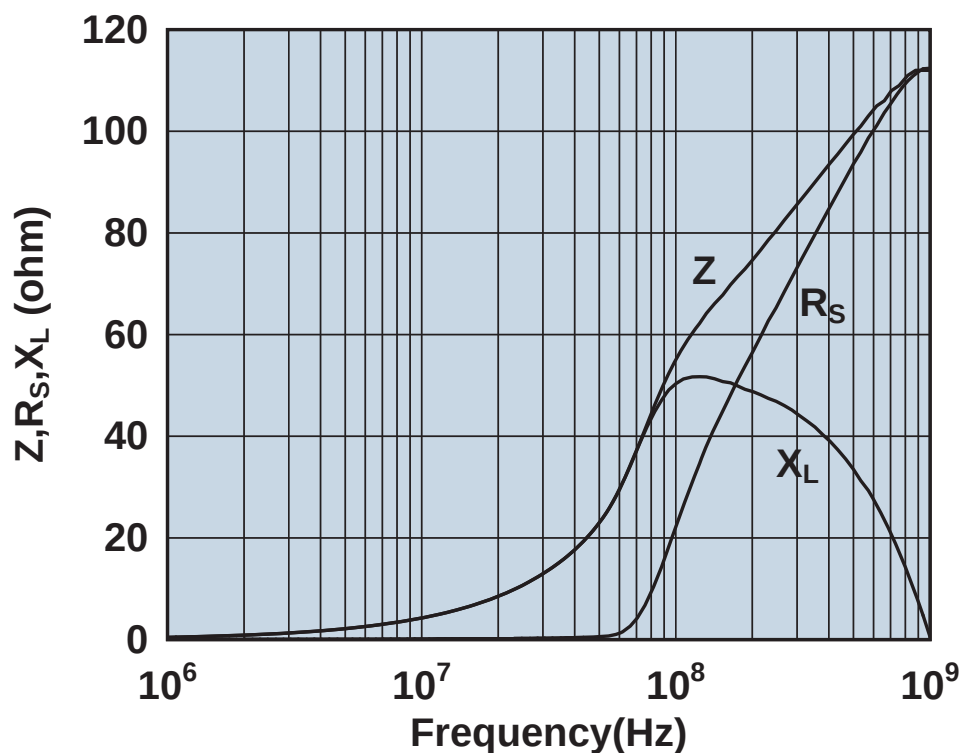


Impedance, reactance, and resistance vs. frequency.

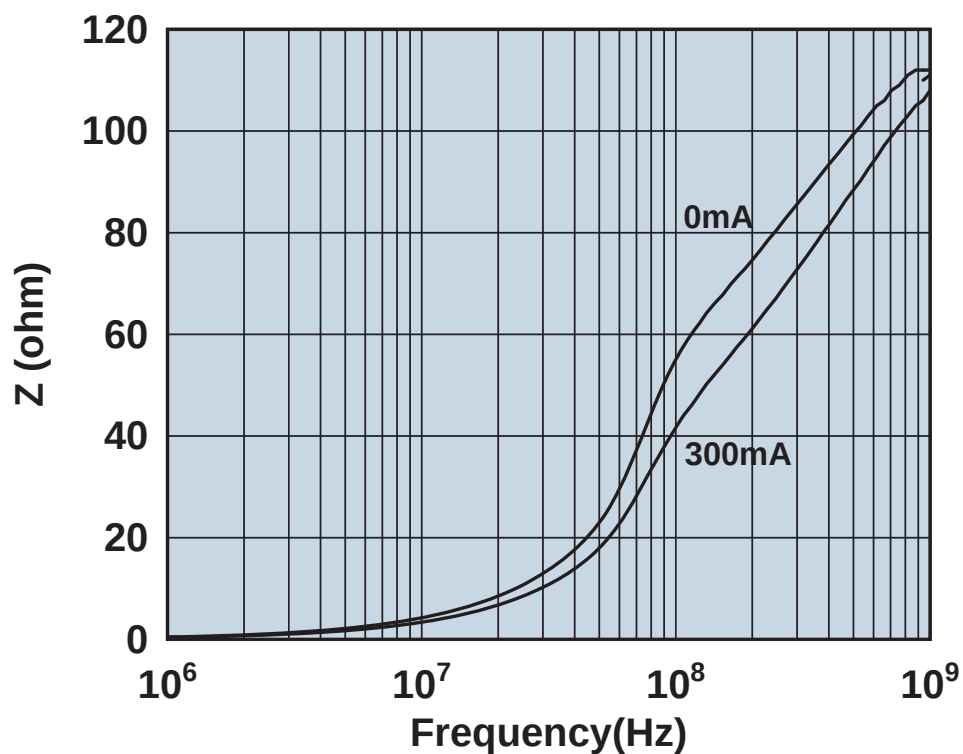


Impedance vs. frequency with dc bias.

2508056007Z0

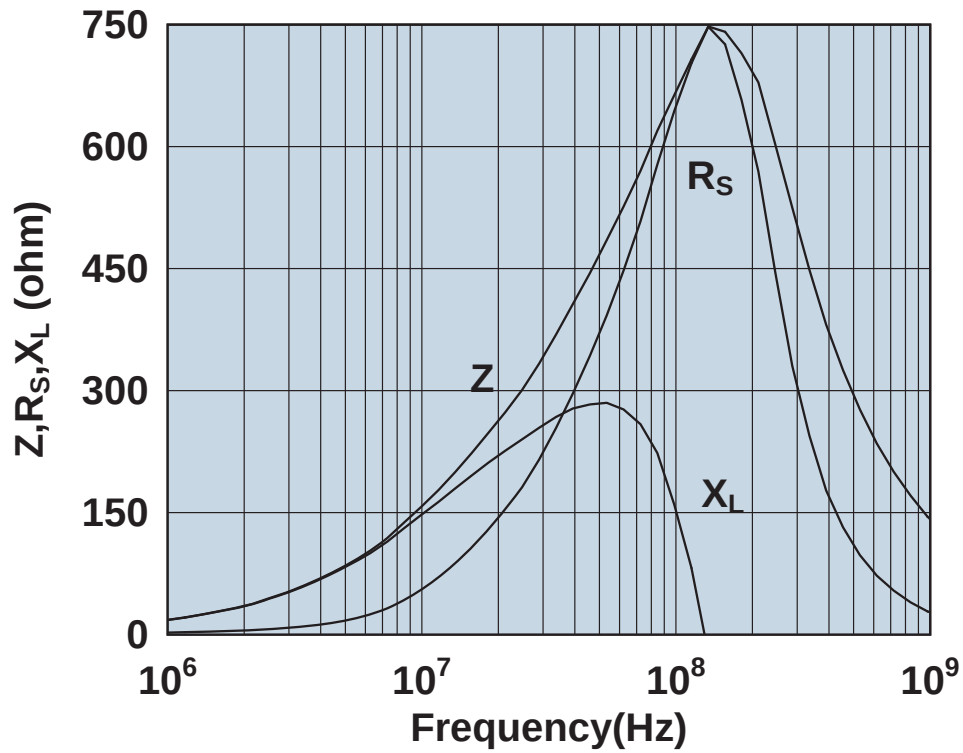


Impedance, reactance, and resistance vs. frequency.

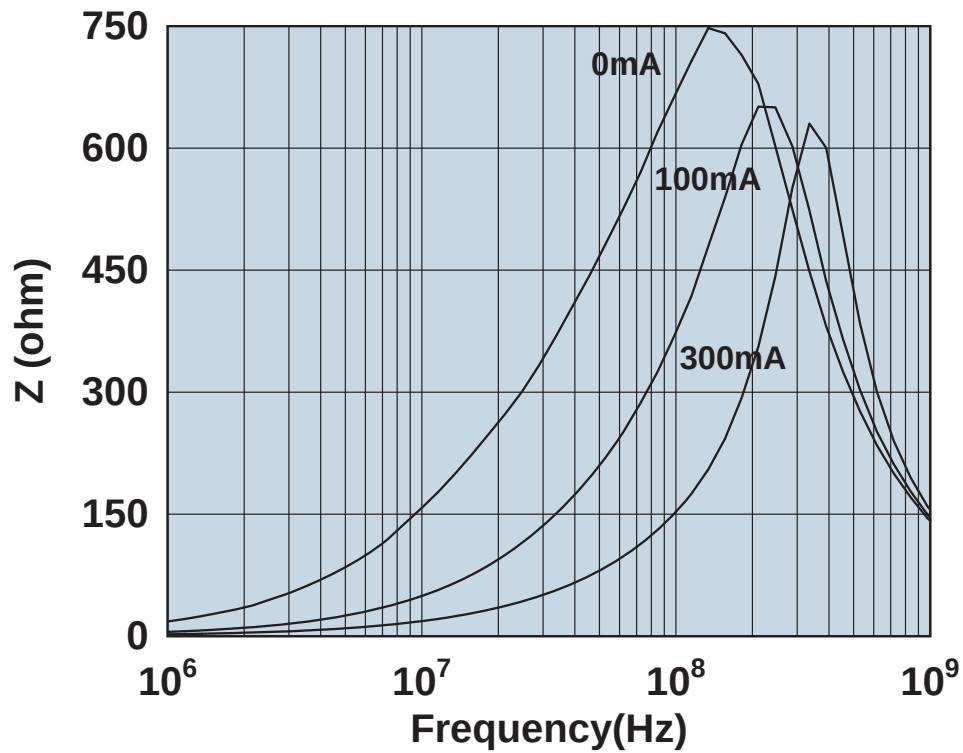


Impedance vs. frequency with dc bias.

2508056017Y0

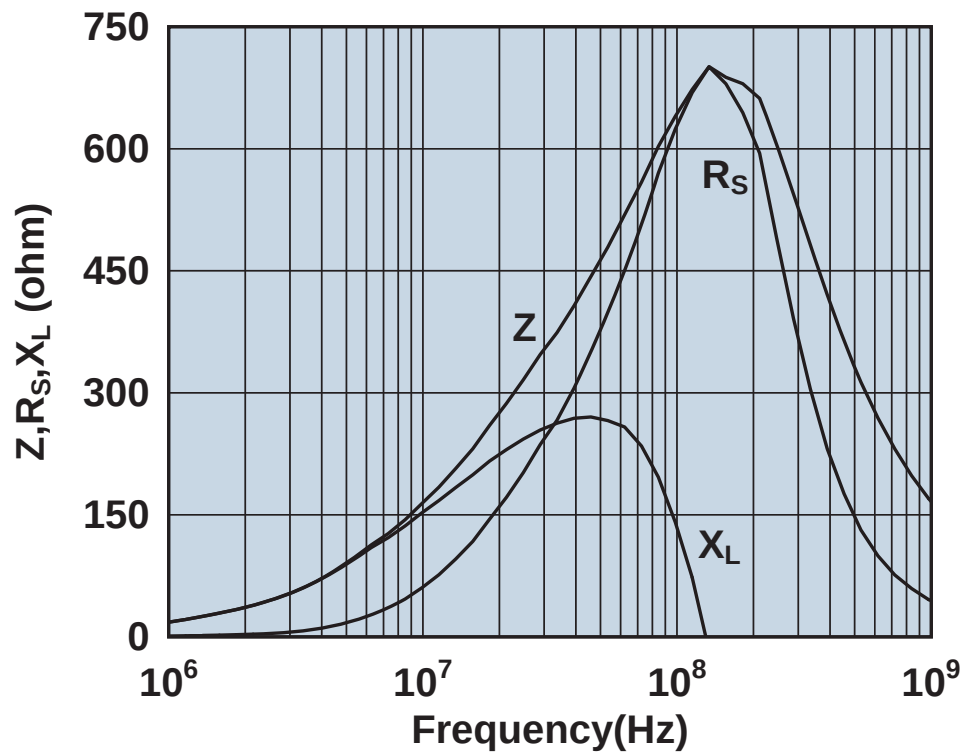


Impedance, reactance, and resistance vs. frequency.

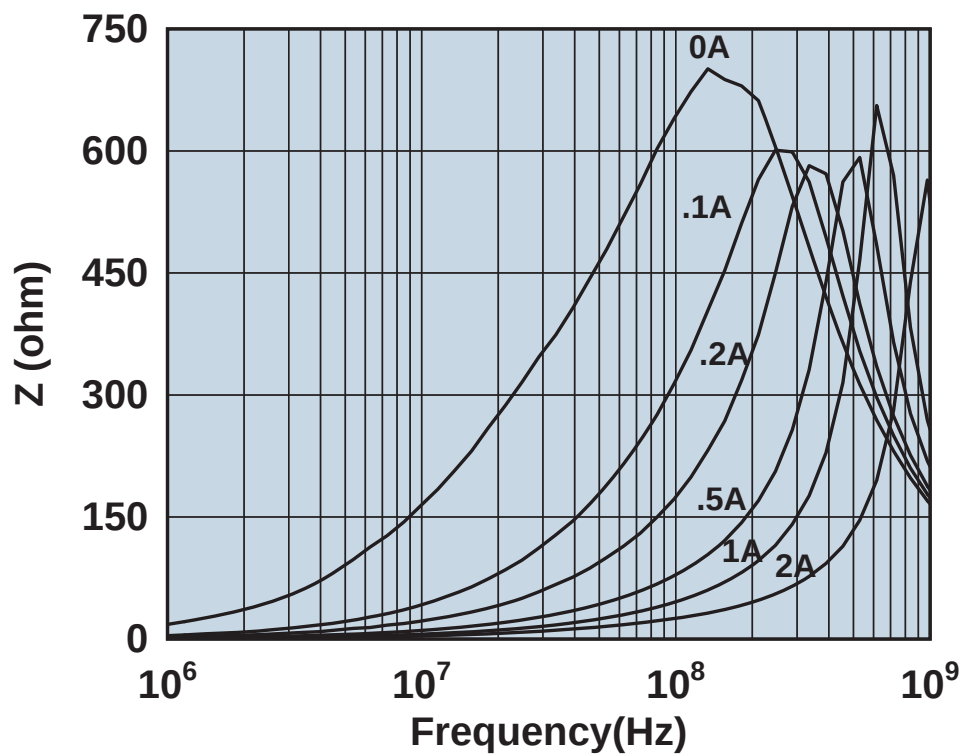


Impedance vs. frequency with dc bias.

2508056017Y2

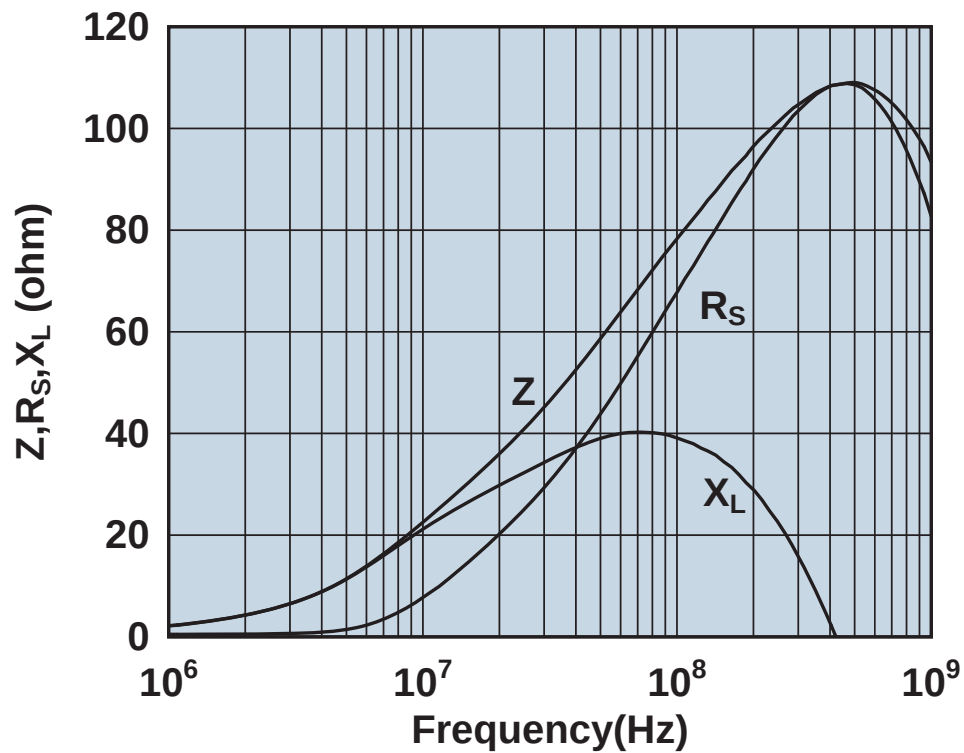


Impedance, reactance, and resistance vs. frequency.

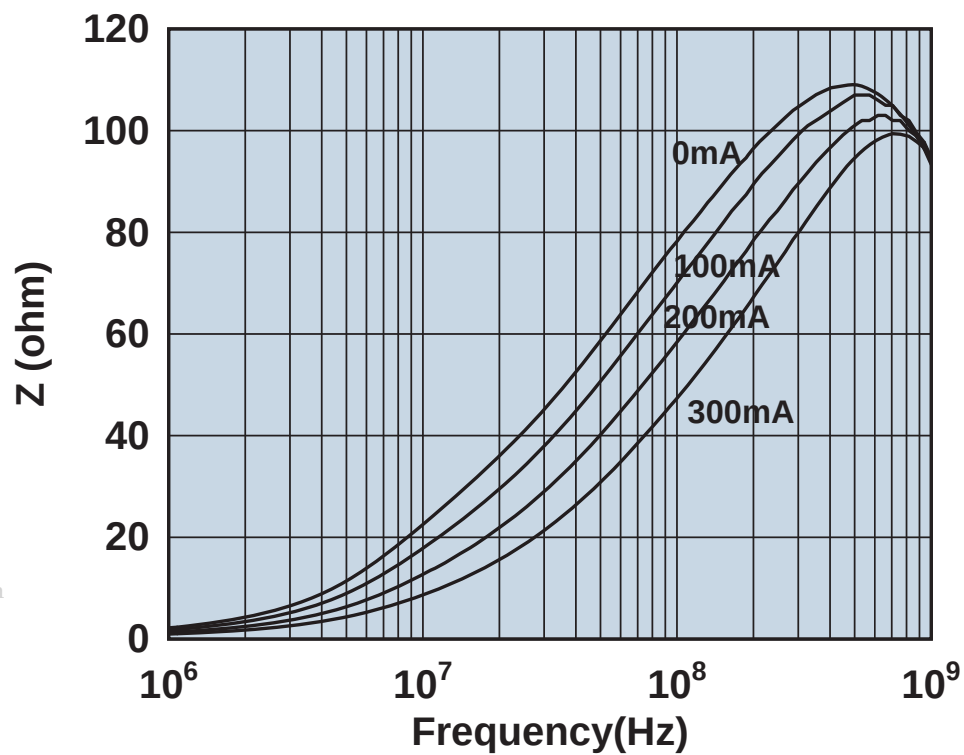


Impedance vs. frequency with dc bias.

2508059007Y0



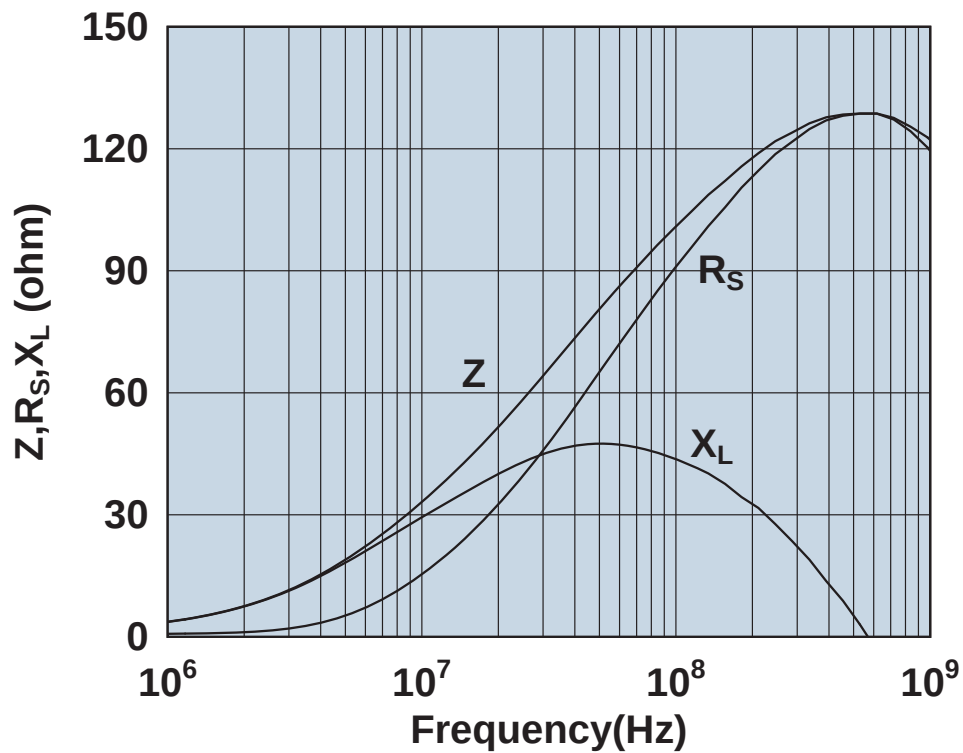
Impedance, reactance, and resistance vs. frequency.



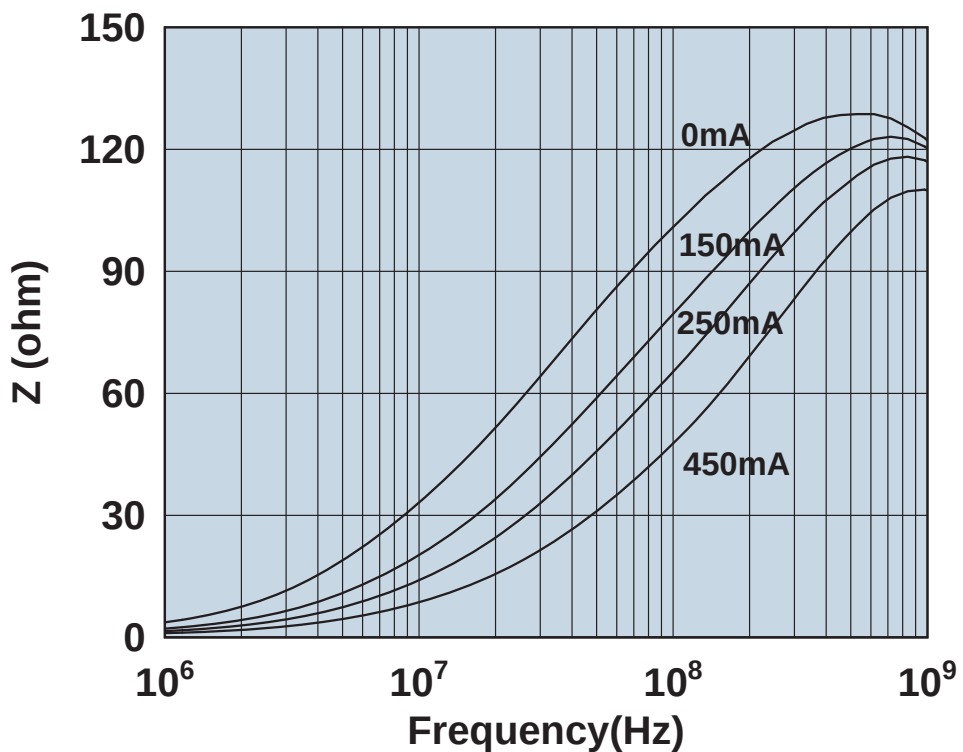
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Impedance vs. frequency with dc bias.

2512061017Y0

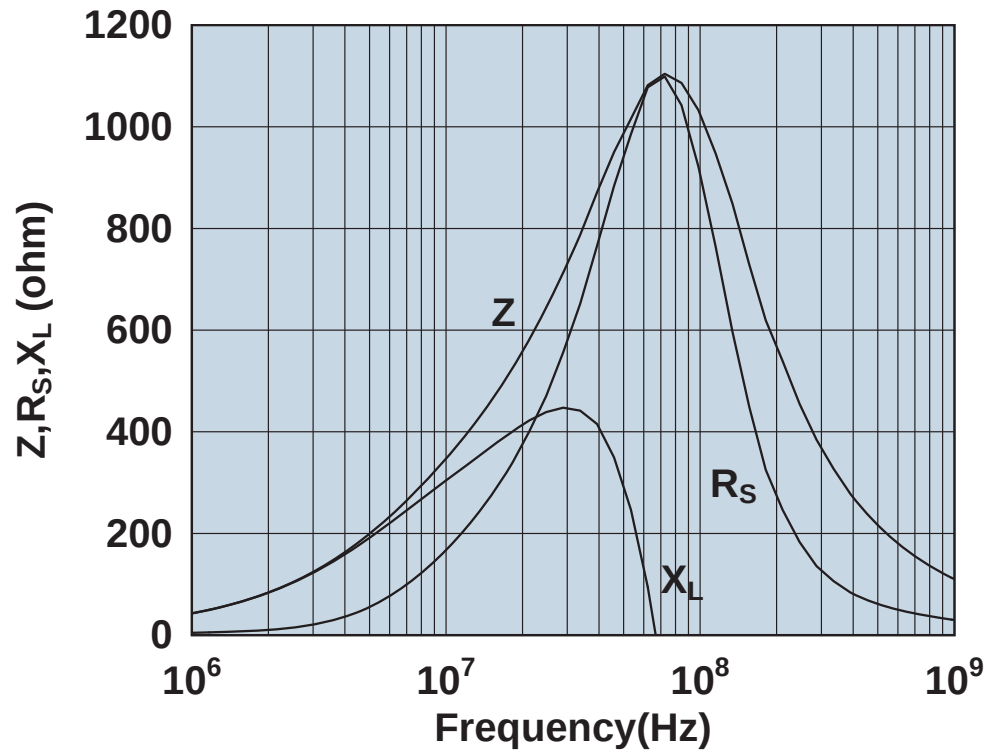


Impedance, reactance, and resistance vs. frequency.

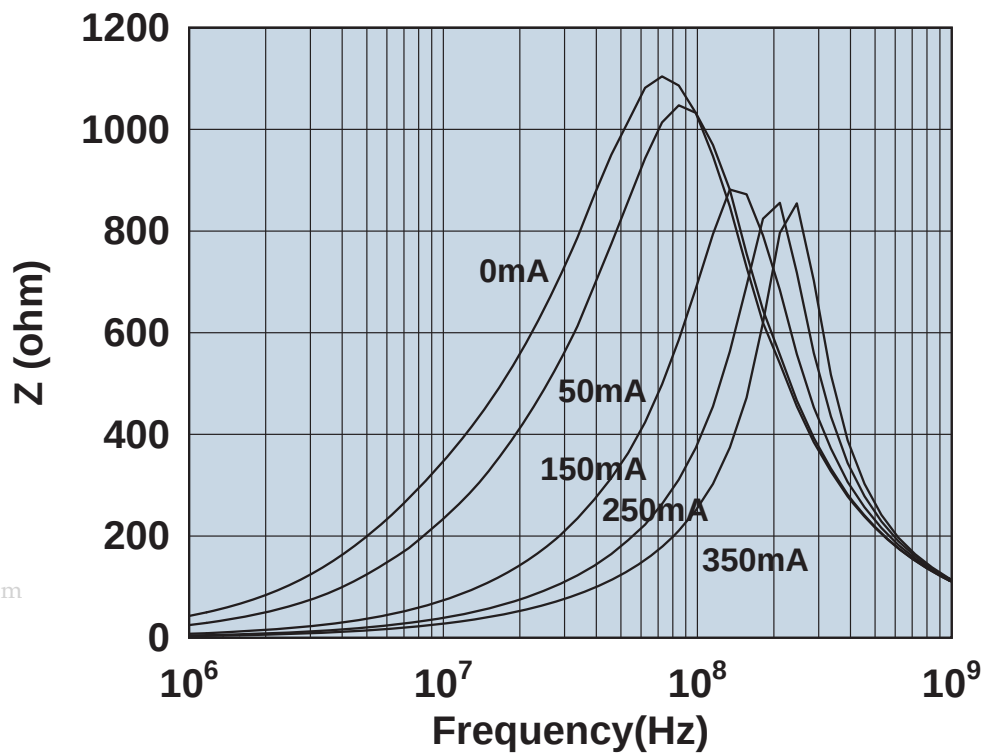


Impedance vs. frequency with dc bias.

2512061027Y0

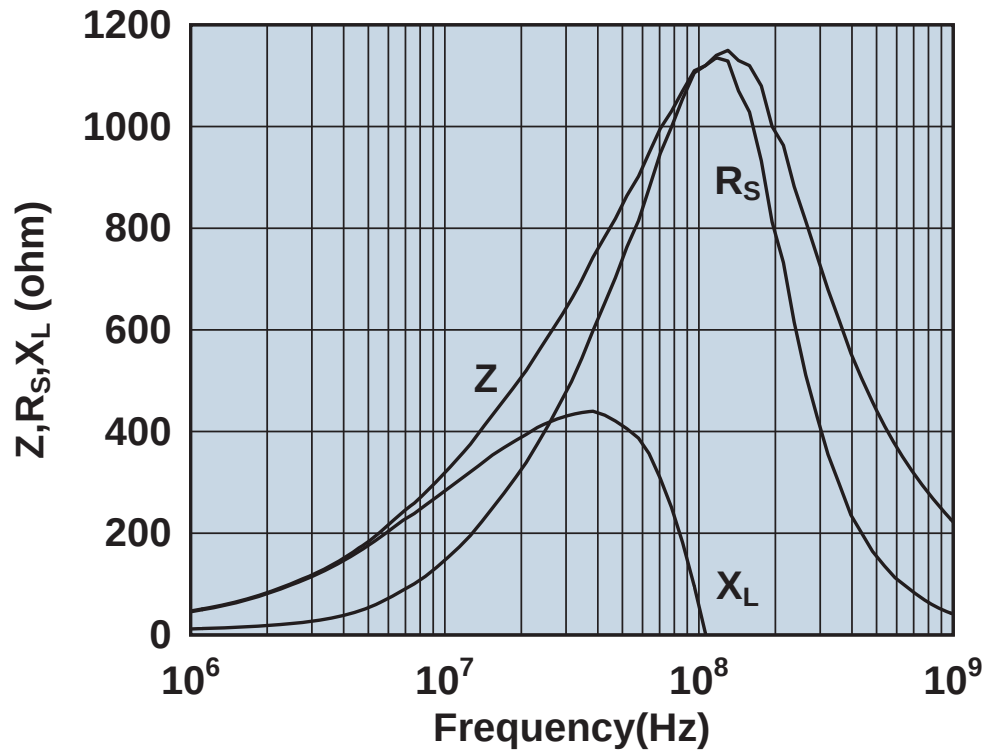


Impedance, reactance, and resistance vs. frequency.

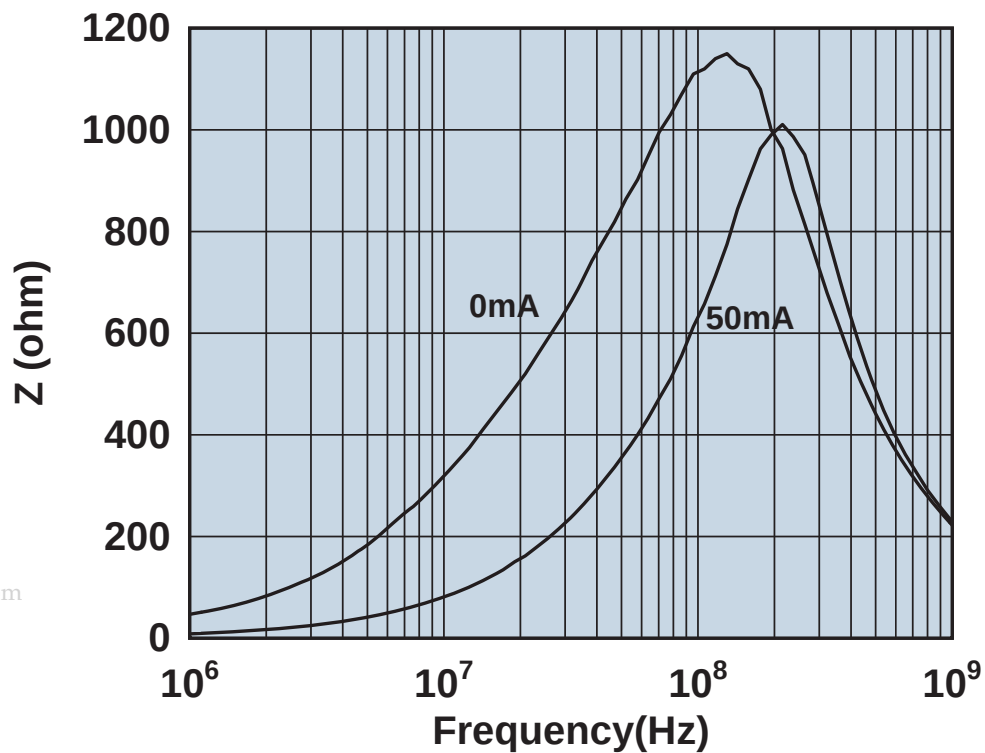


Impedance vs. frequency with dc bias.

2512061027Y0A4

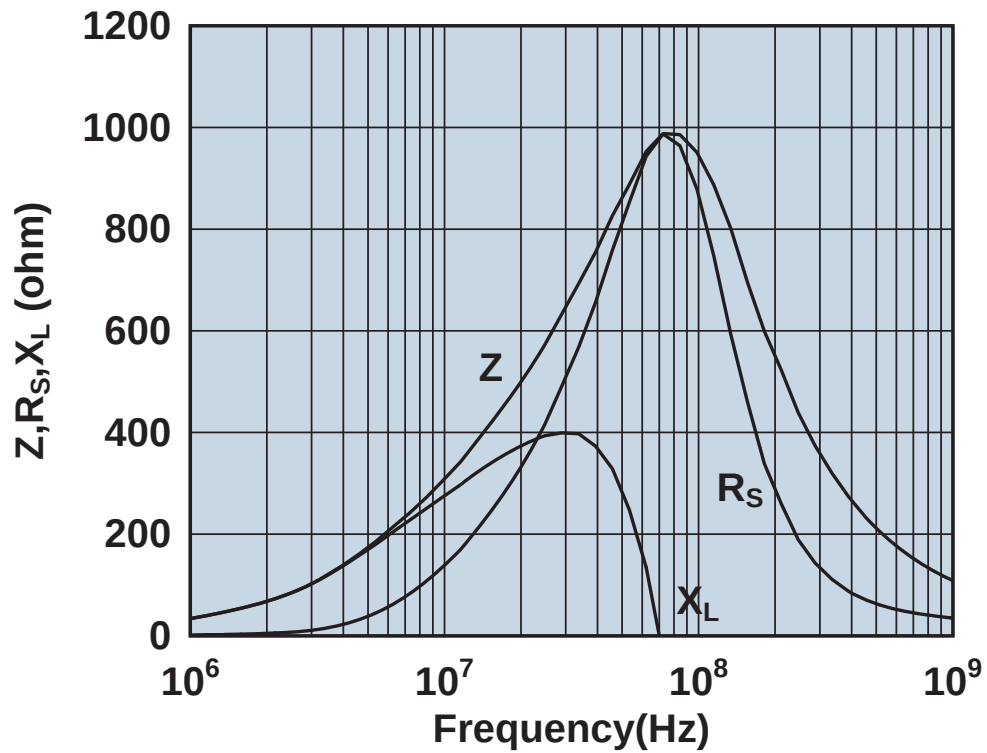


Impedance, reactance, and resistance vs. frequency.

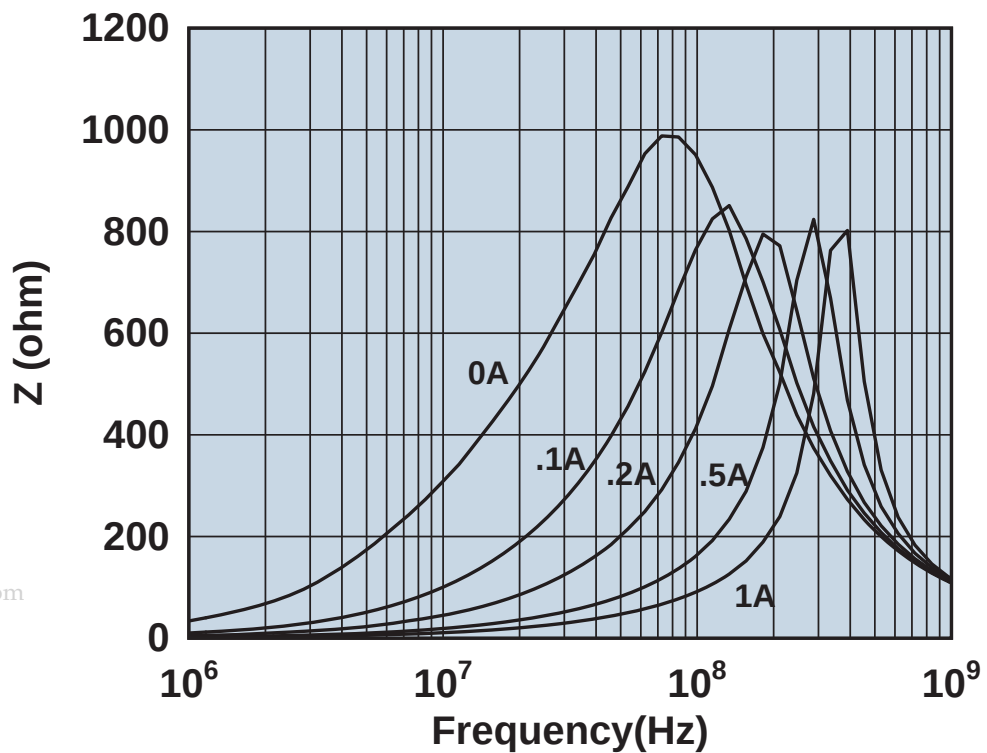


Impedance vs. frequency with dc bias.

2512061027Y1

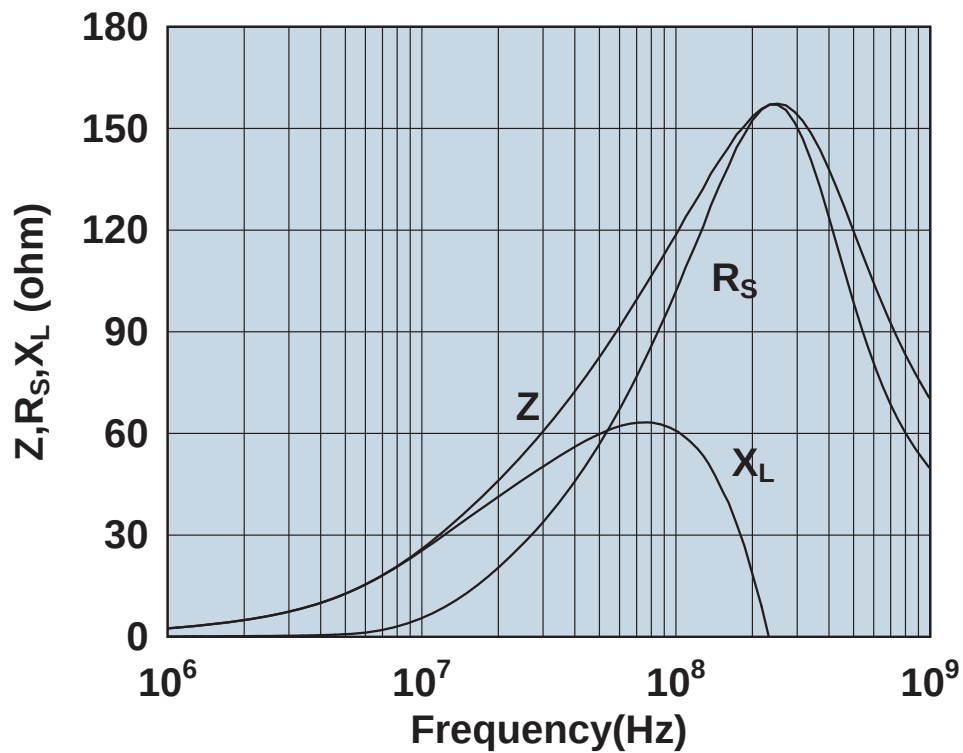


Impedance, reactance, and resistance vs. frequency.

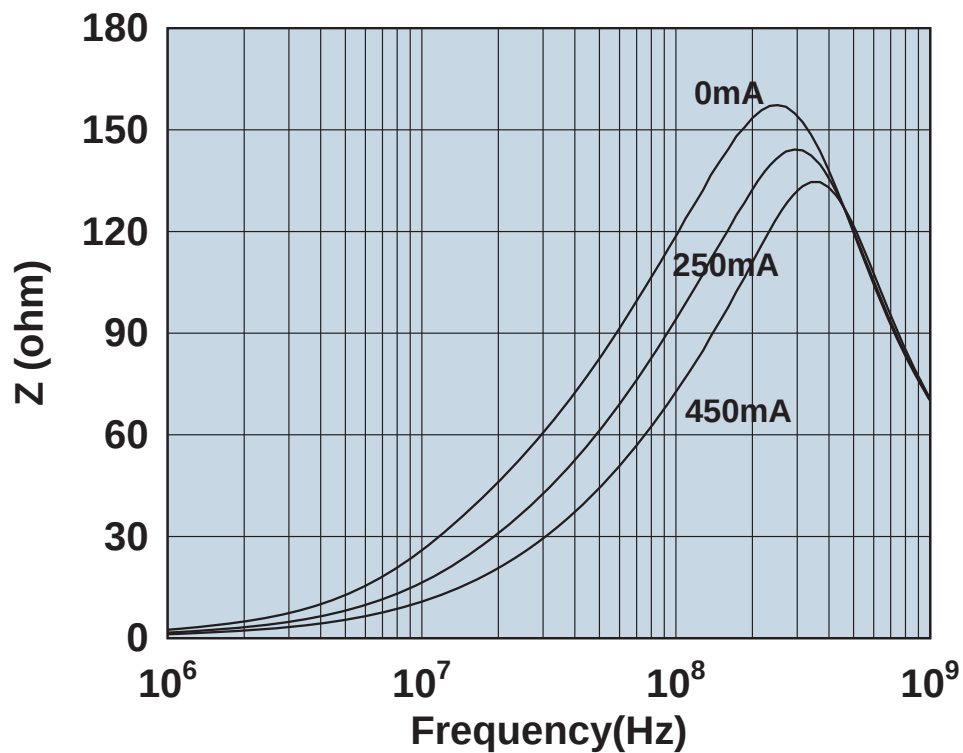


Impedance vs. frequency with dc bias.

2512061217Y0

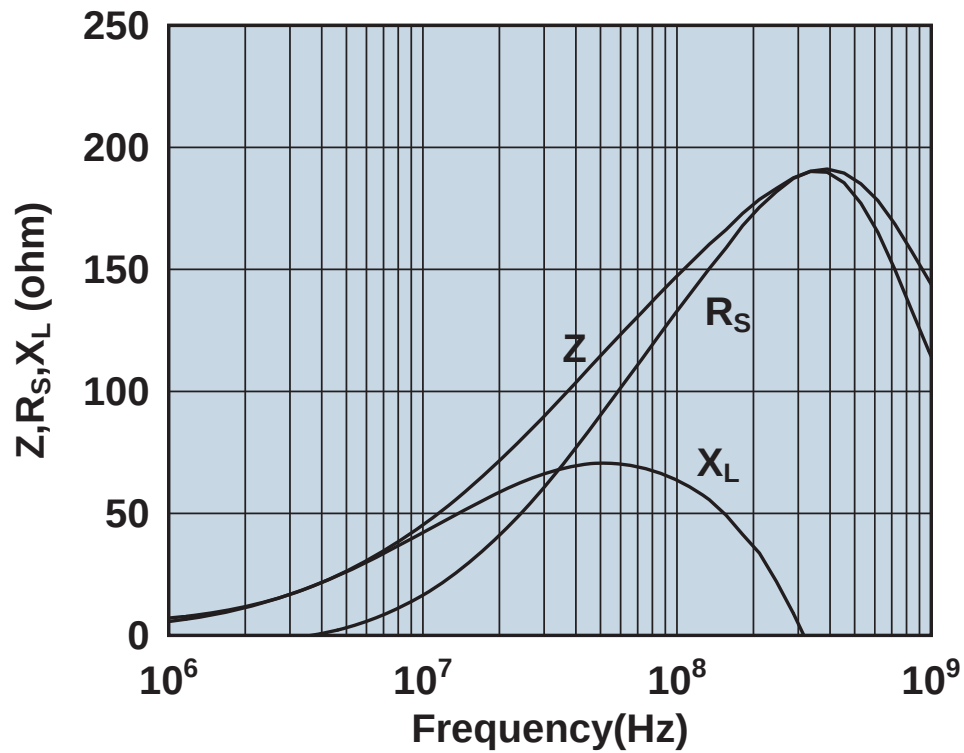


Impedance, reactance, and resistance vs. frequency.

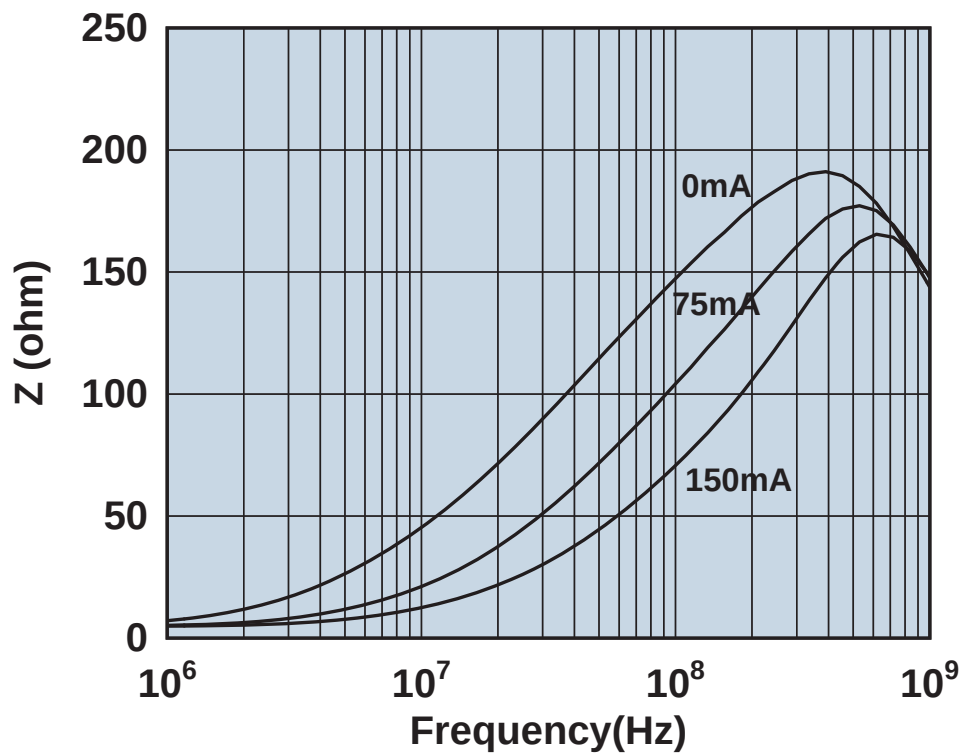


Impedance vs. frequency with dc bias.

2512061217Y0A4

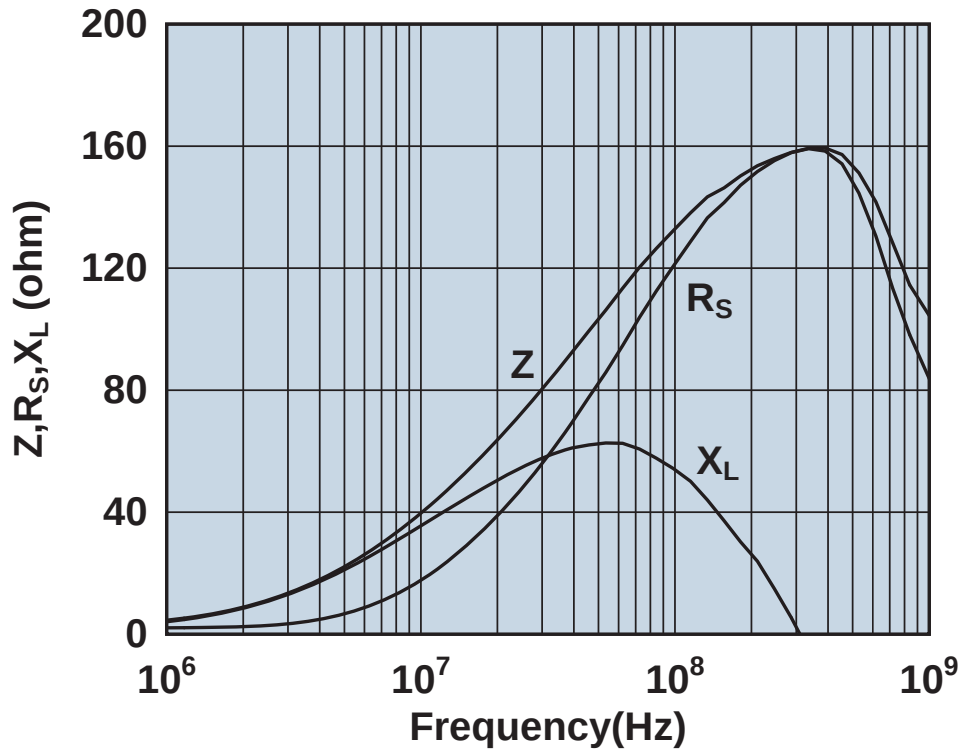


Impedance, reactance, and resistance vs. frequency.

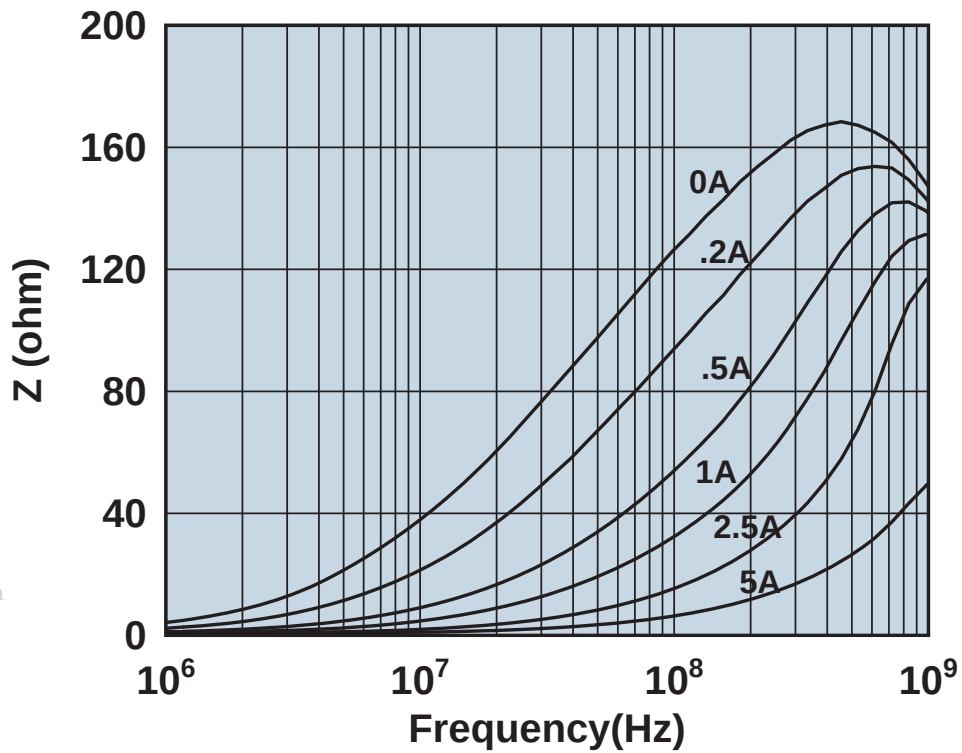


Impedance vs. frequency with dc bias.

2512061217Y5



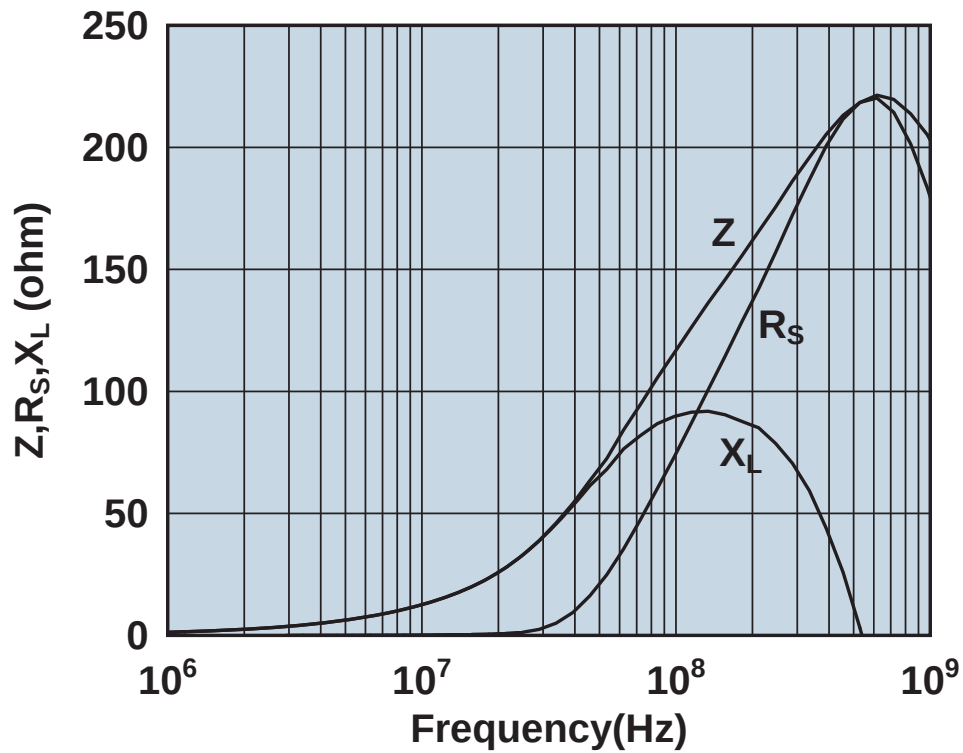
Impedance, reactance, and resistance vs. frequency.



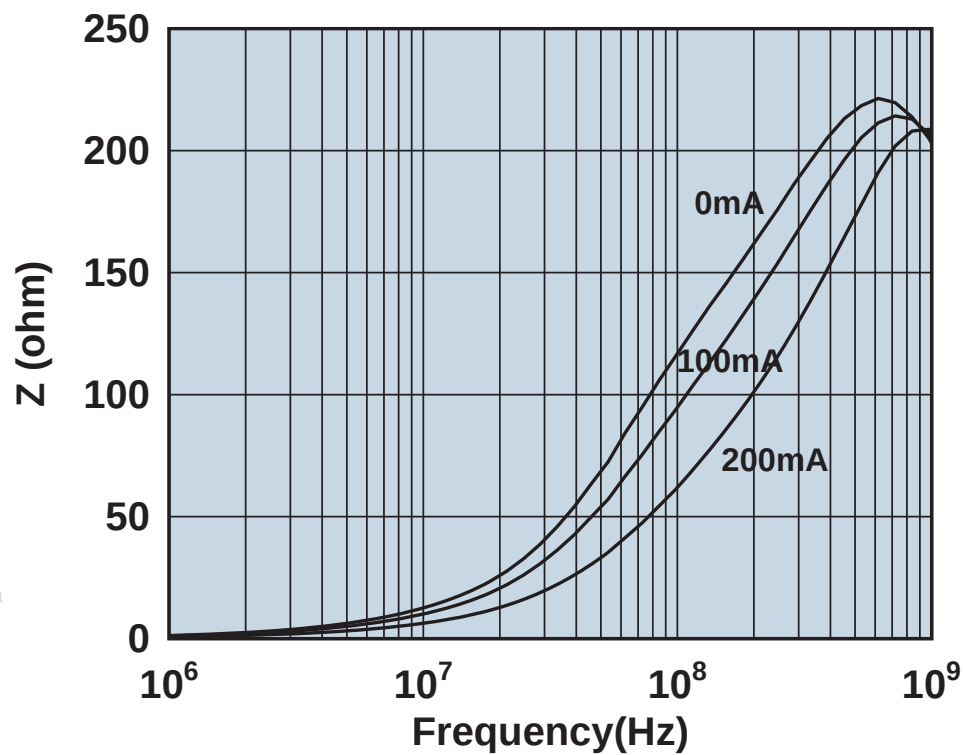
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Impedance vs. frequency with dc bias.

2512061217Z0A4

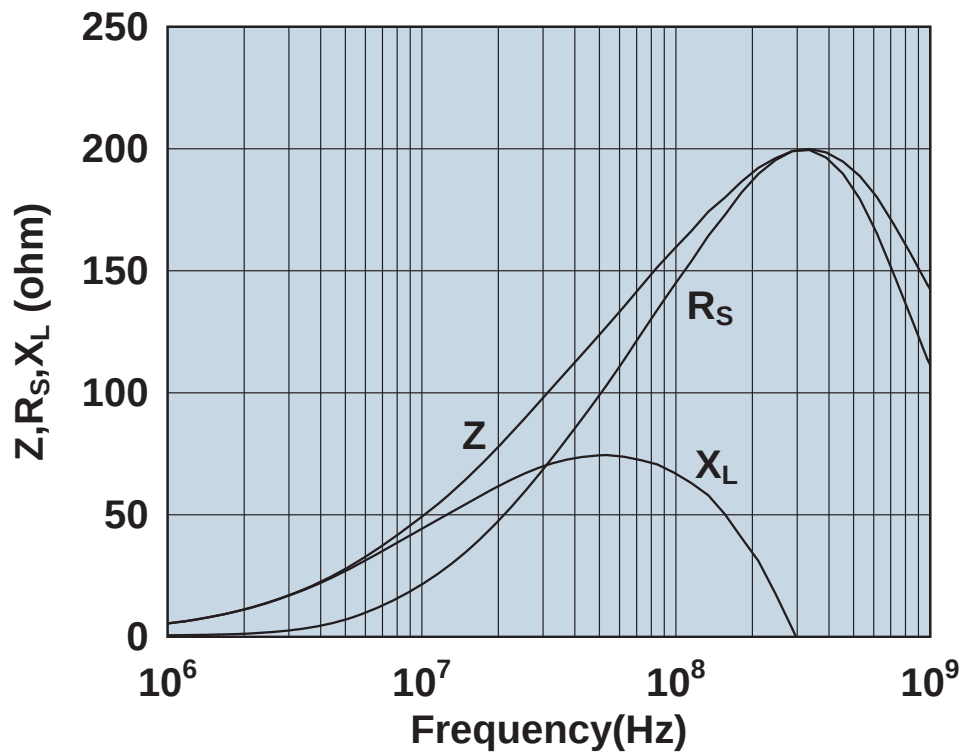


Impedance, reactance, and resistance vs. frequency.

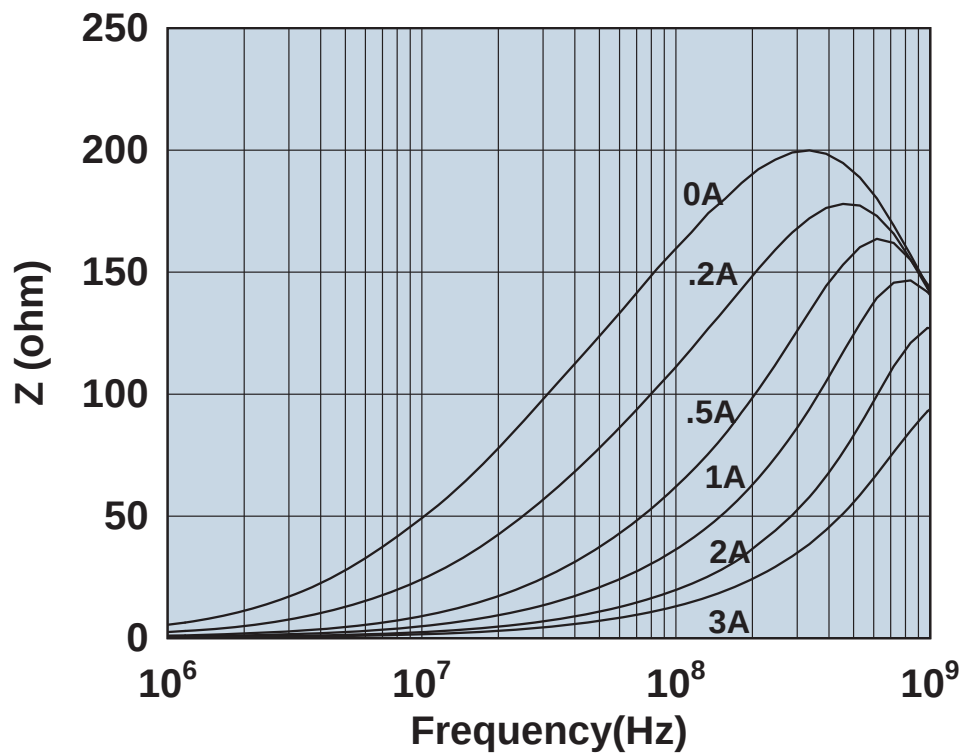


Impedance vs. frequency with dc bias.

2512061517Y3



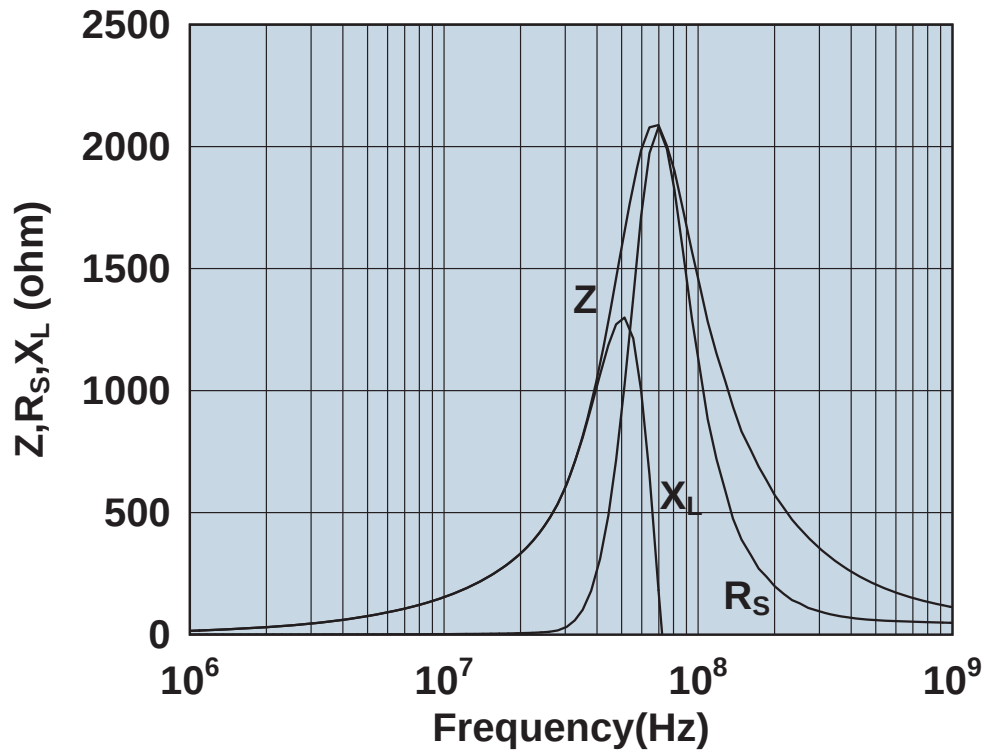
Impedance, reactance, and resistance vs. frequency.



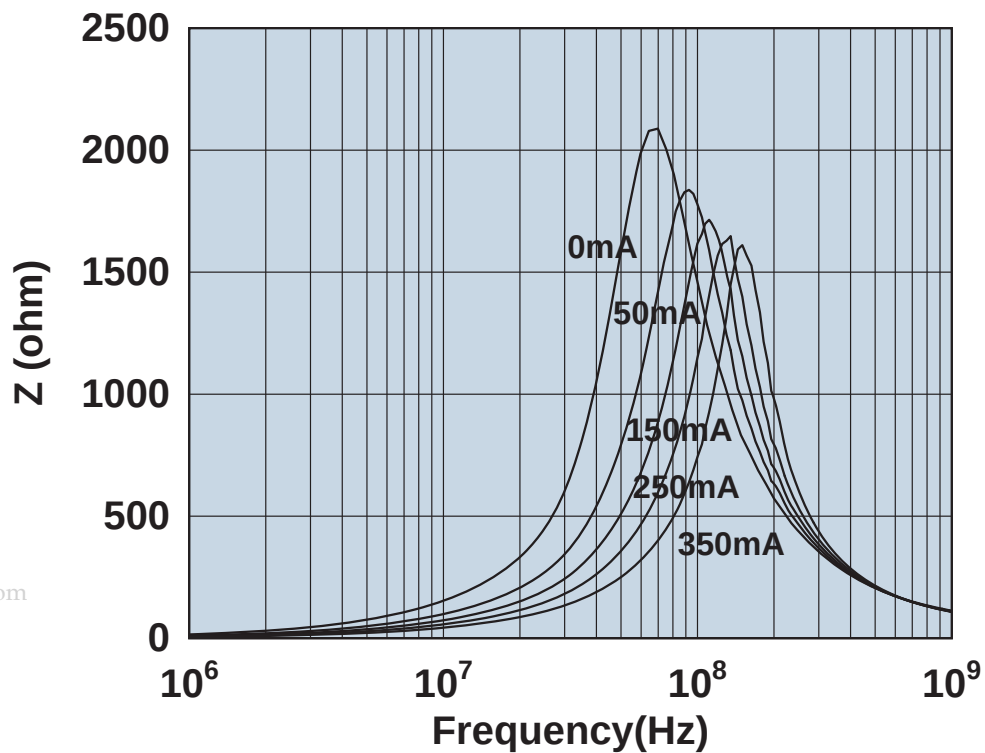
www.DataSheet4U.com

Impedance vs. frequency with dc bias.

2512061527Y0



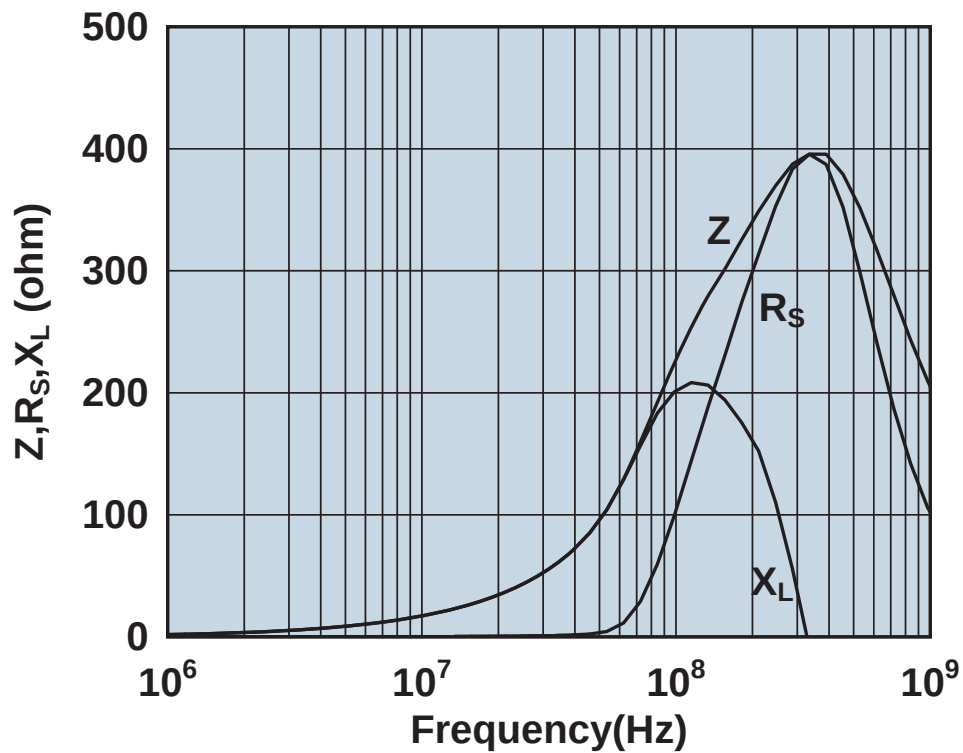
Impedance, reactance, and resistance vs. frequency.



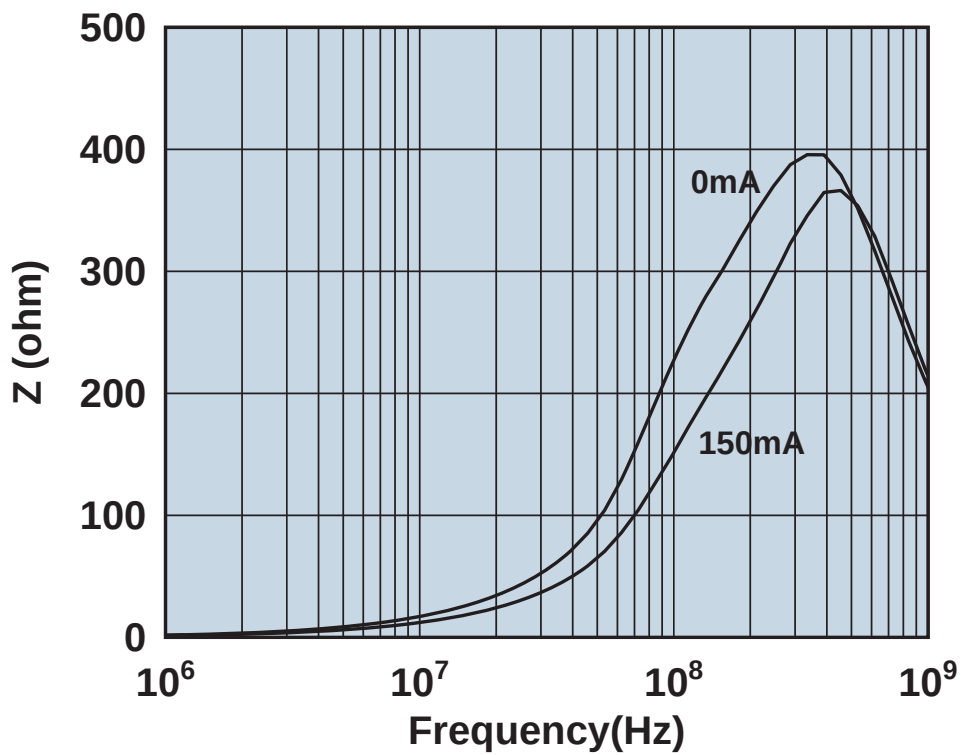
www.DataSheet4U.com

Impedance vs. frequency with dc bias.

2512062217Z0A4

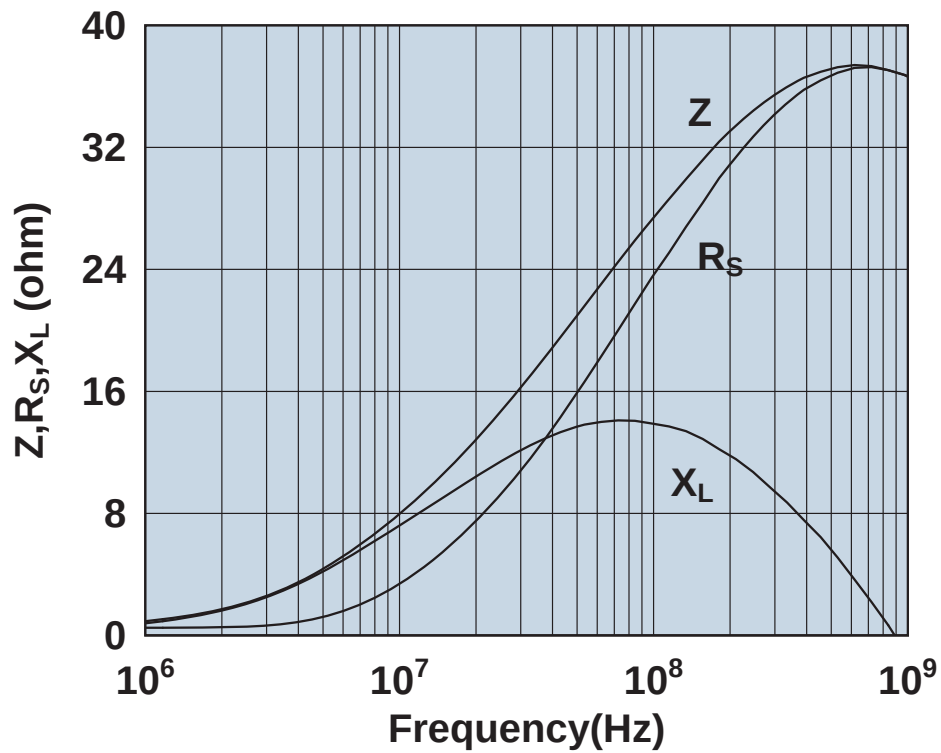


Impedance, reactance, and resistance vs. frequency.

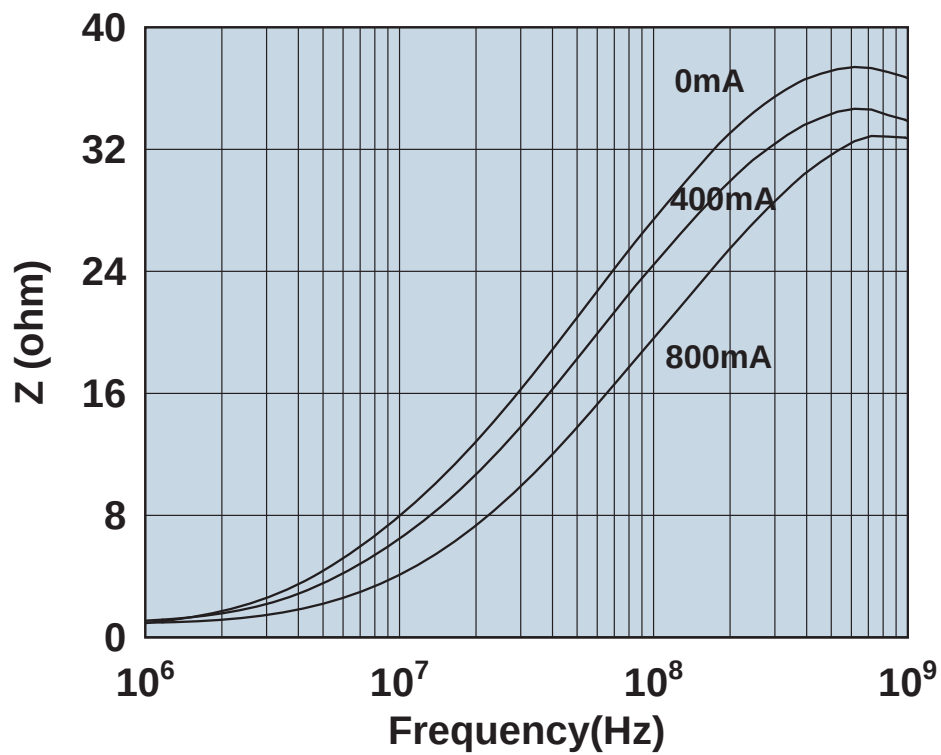


Impedance vs. frequency with dc bias.

2512063007Y0

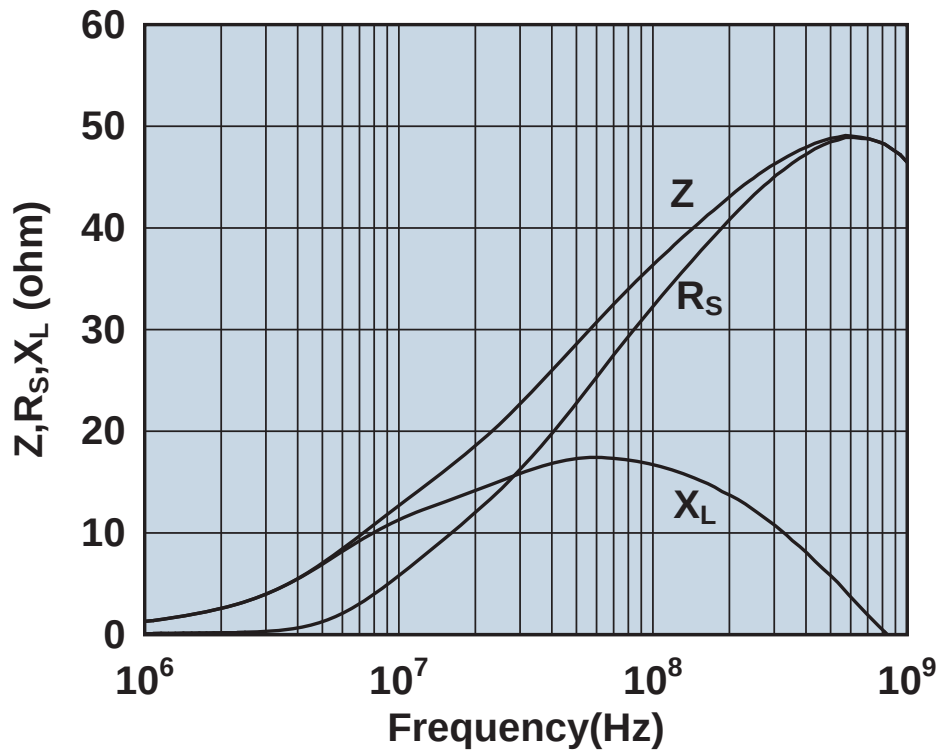


Impedance, reactance, and resistance vs. frequency.

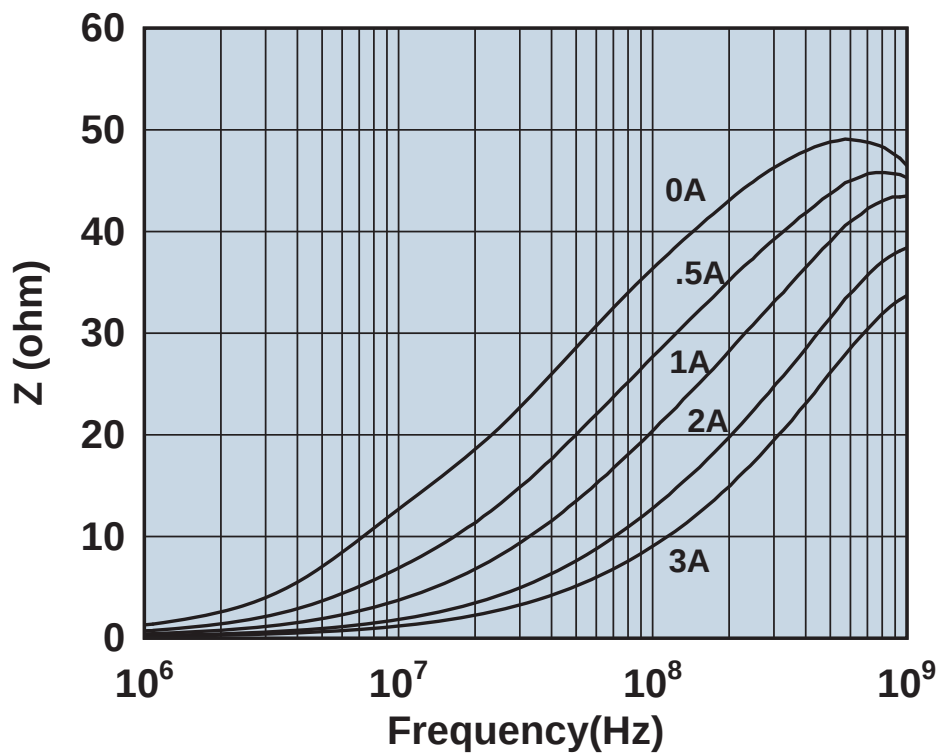


Impedance vs. frequency with dc bias.

2512063007Y3

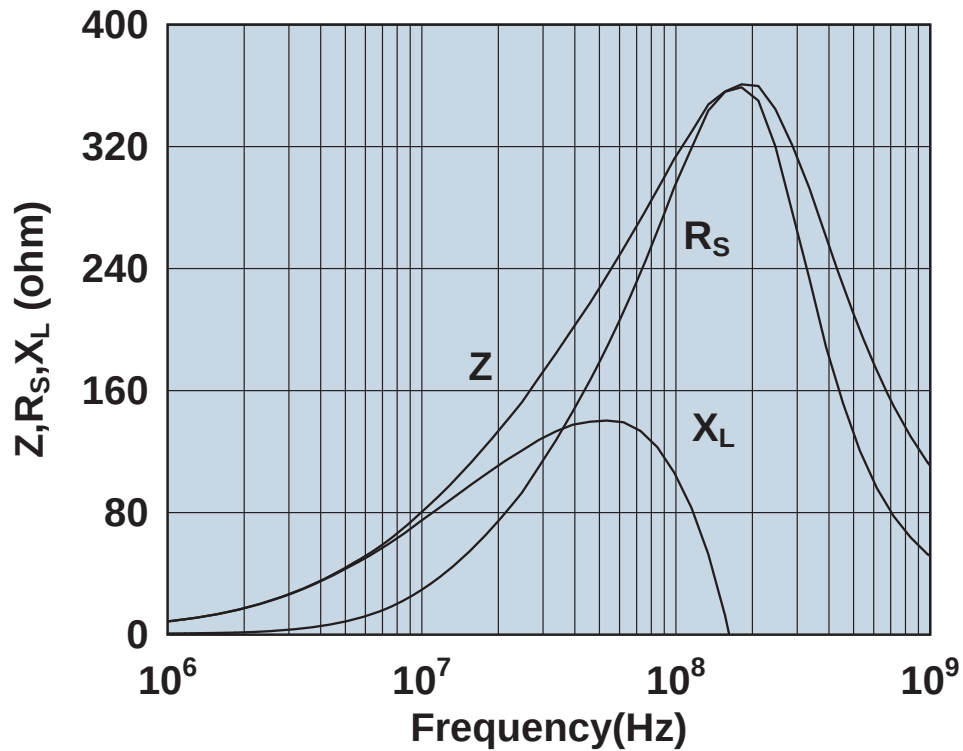


Impedance, reactance, and resistance vs. frequency.

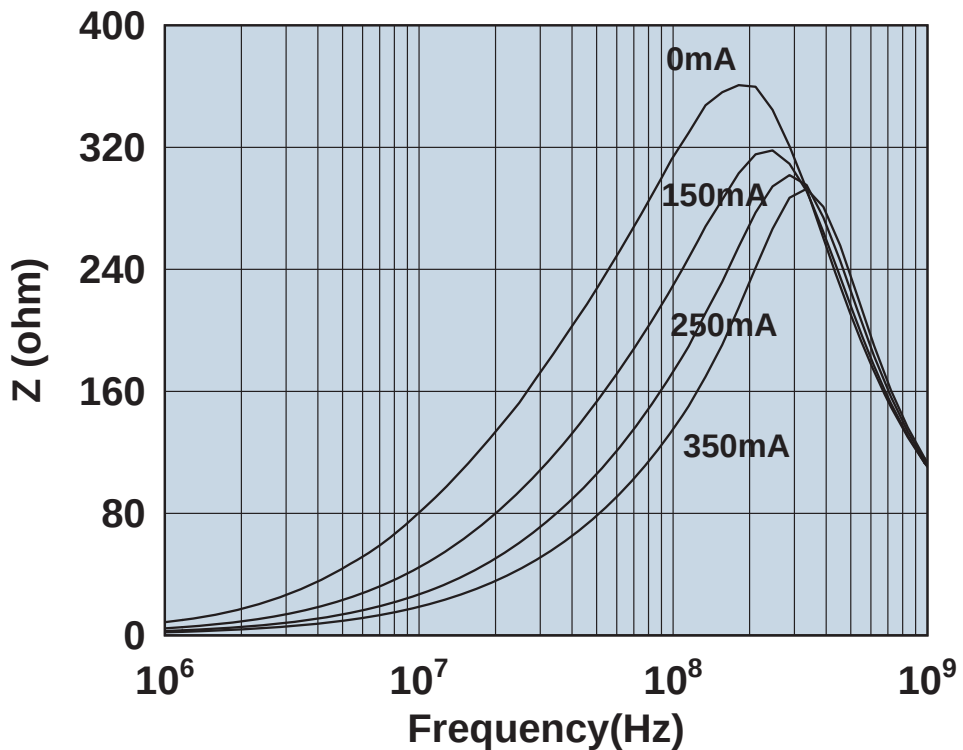


Impedance vs. frequency with dc bias.

2512063017Y0

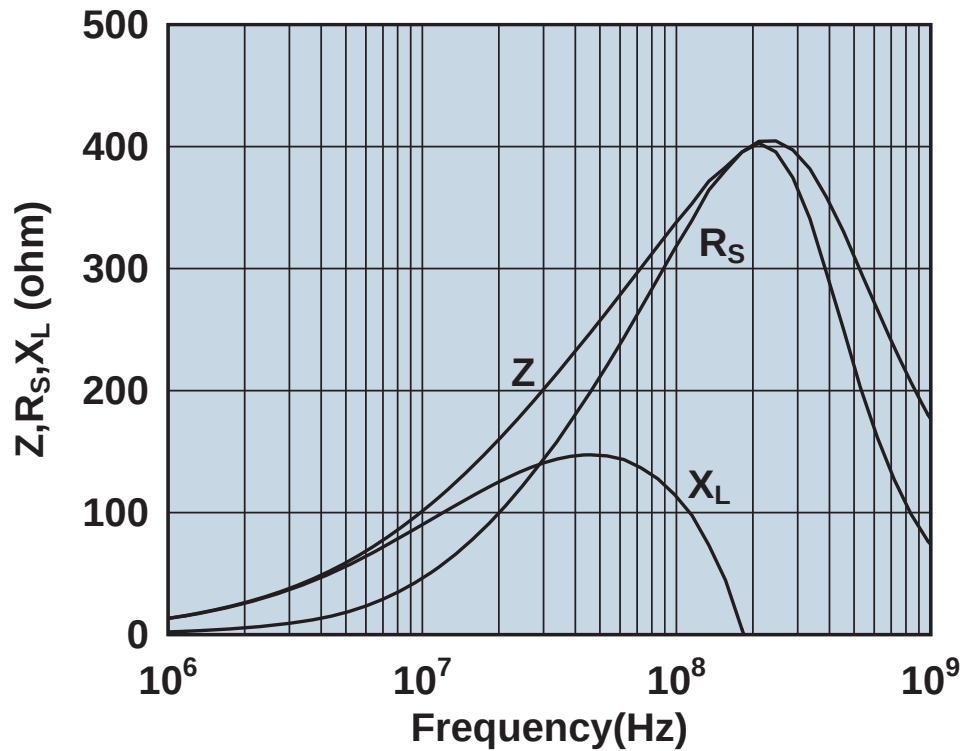


Impedance, reactance, and resistance vs. frequency.

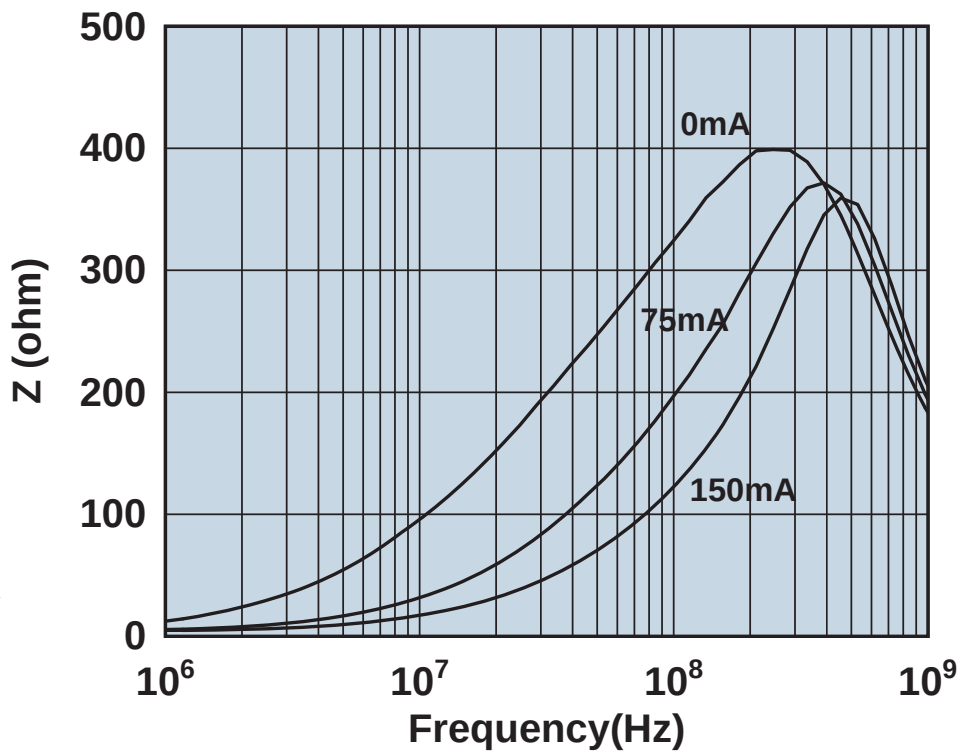


Impedance vs. frequency with dc bias.

2512063017Y0A4

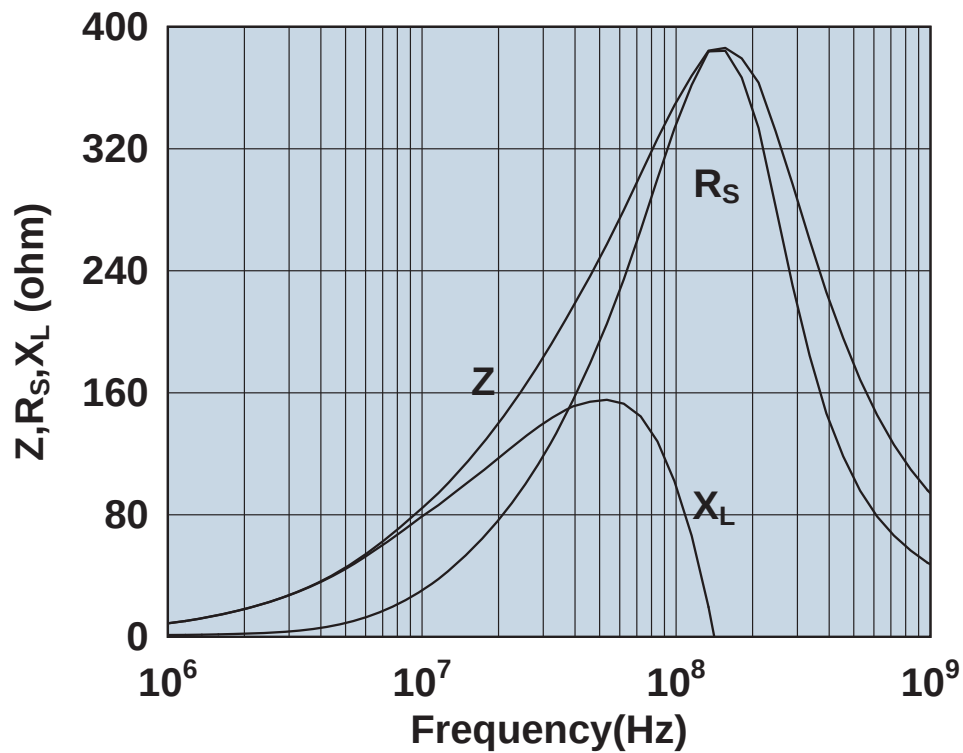


Impedance, reactance, and resistance vs. frequency.

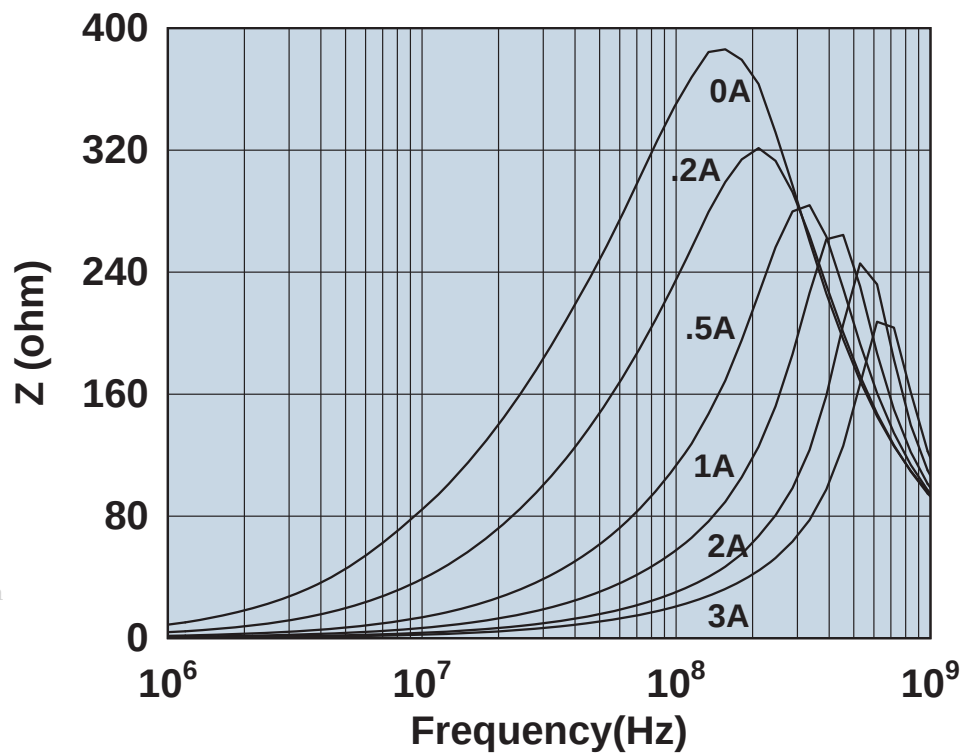


Impedance vs. frequency with dc bias.

2512063017Y3

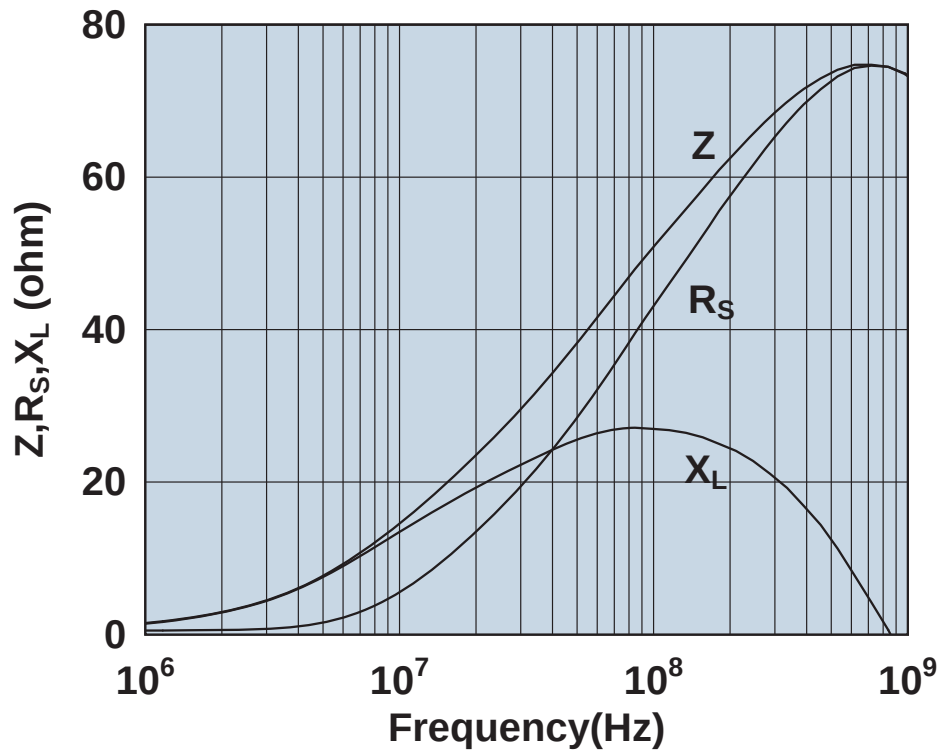


Impedance, reactance, and resistance vs. frequency.

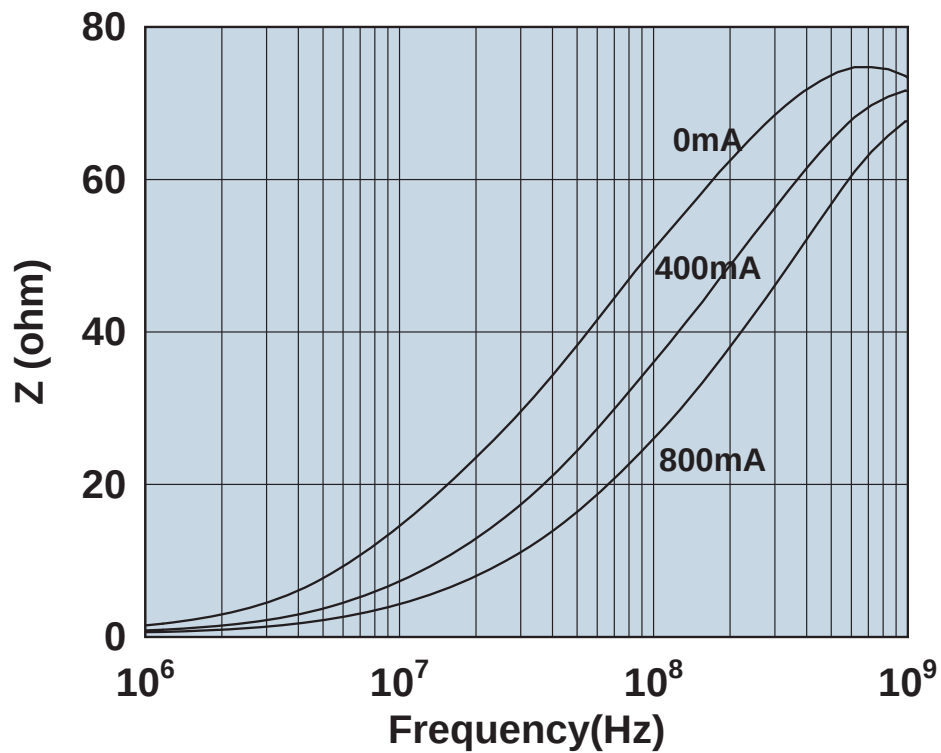


Impedance vs. frequency with dc bias.

2512065007Y0

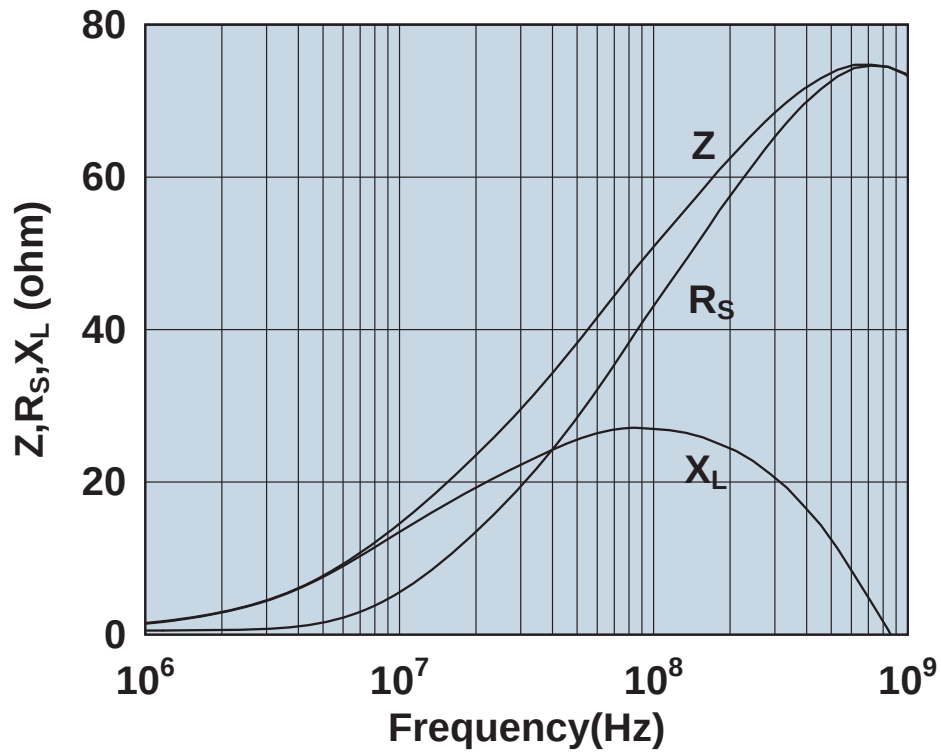


Impedance, reactance, and resistance vs. frequency.

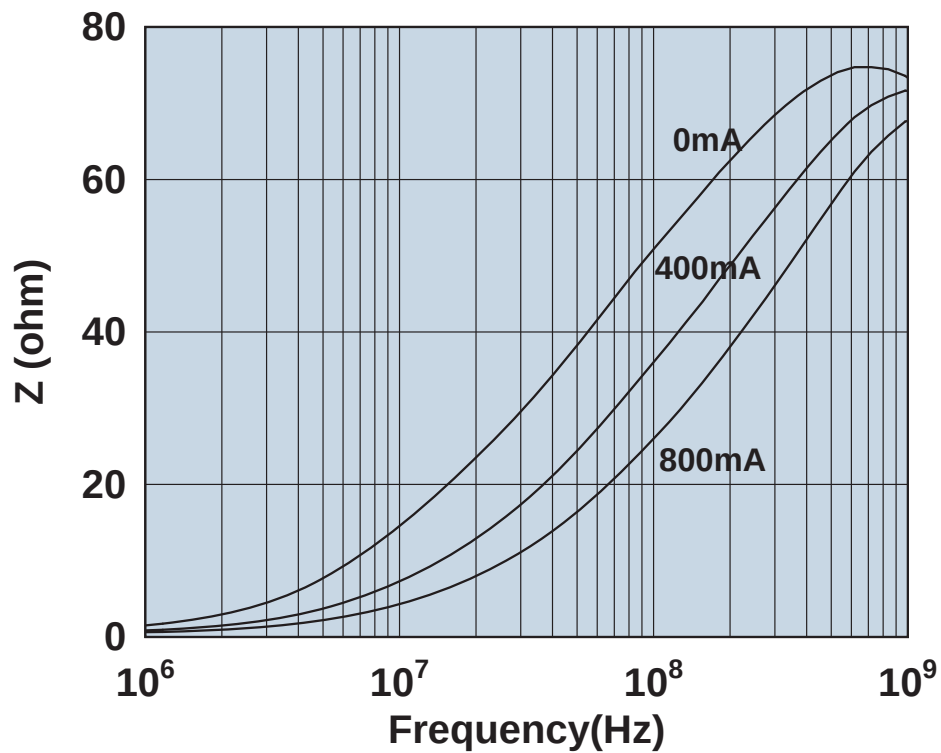


Impedance vs. frequency with dc bias.

2512065007Y0

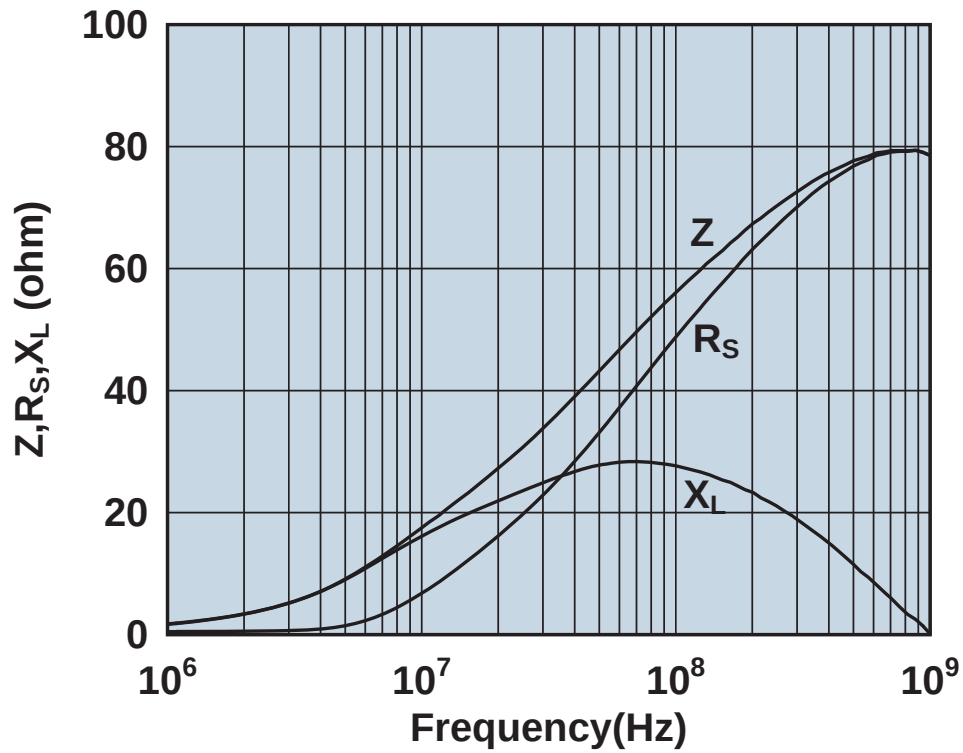


Impedance, reactance, and resistance vs. frequency.

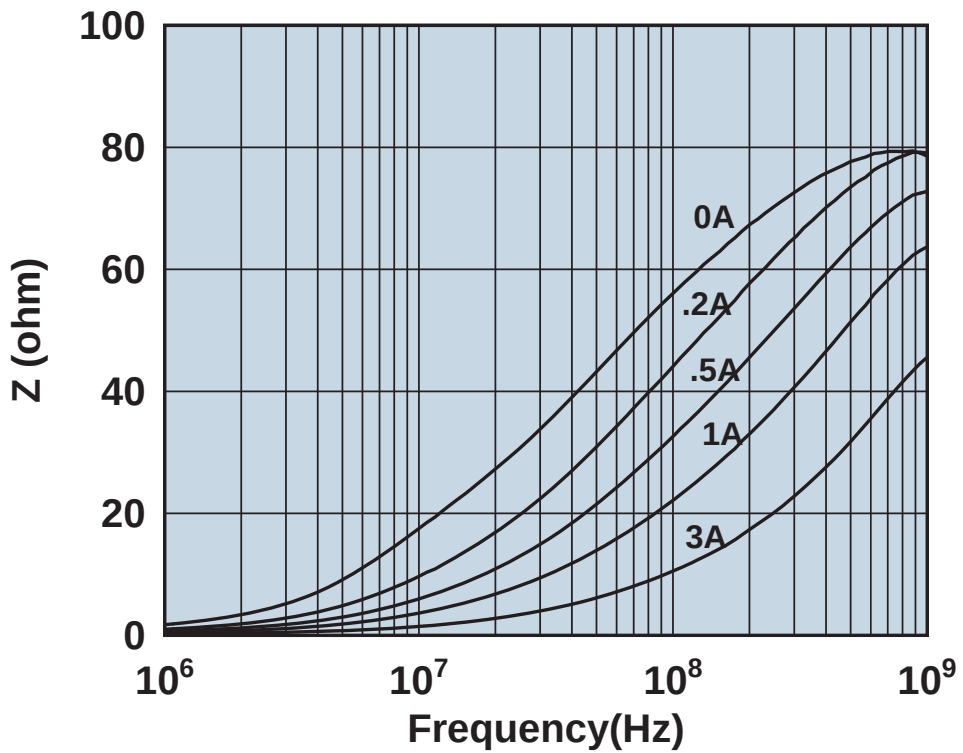


Impedance vs. frequency with dc bias.

2512065007Y3

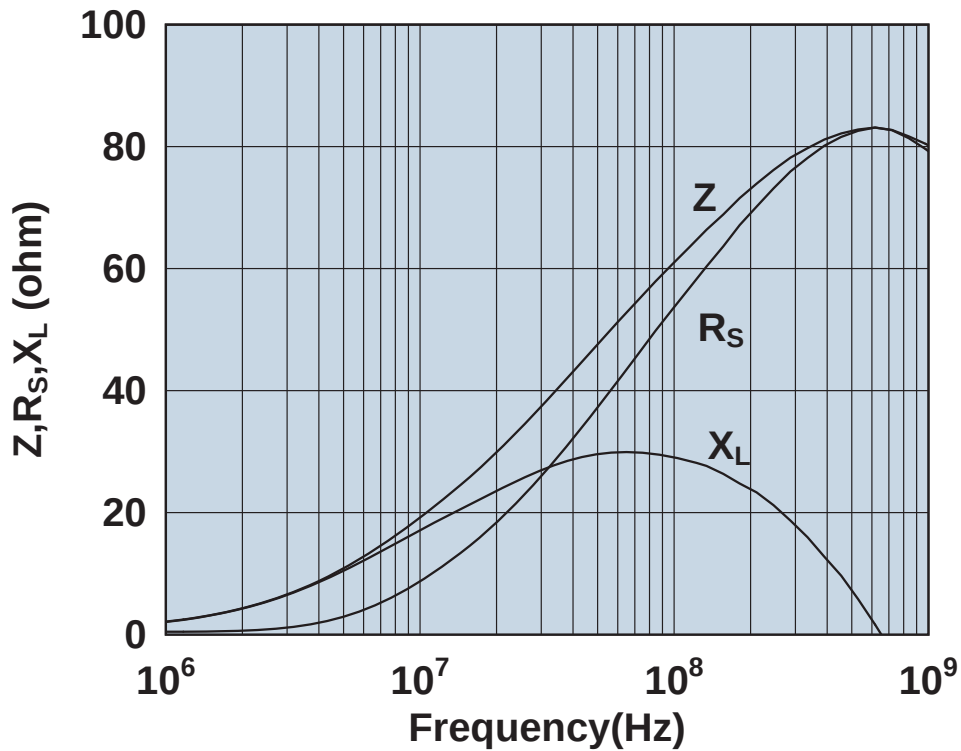


Impedance, reactance, and resistance vs. frequency.

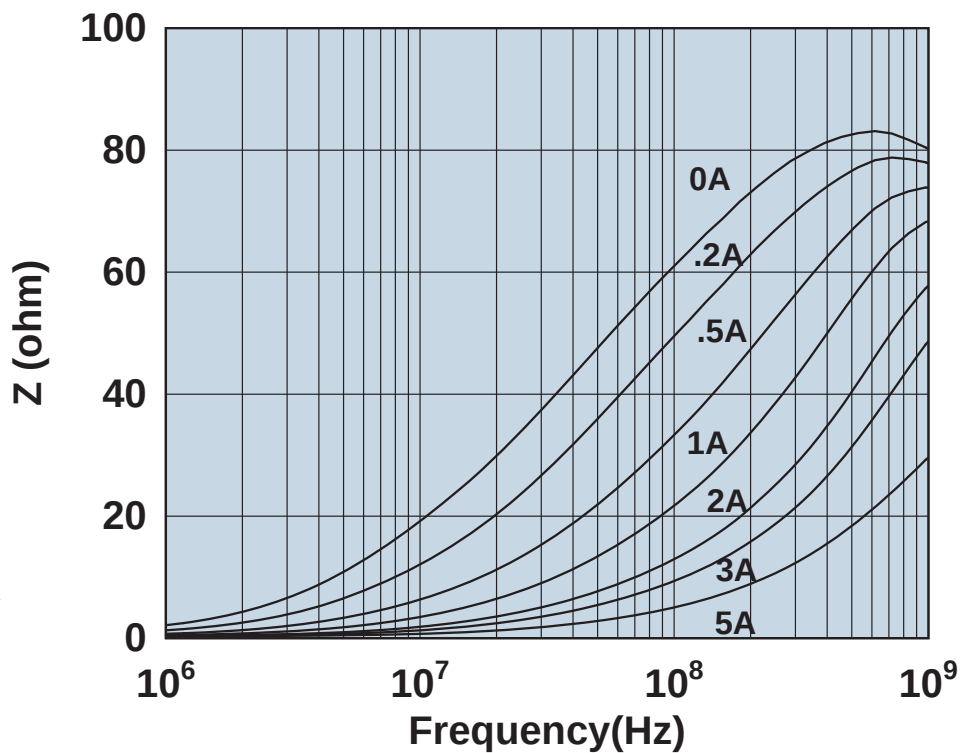


Impedance vs. frequency with dc bias.

2512065007Y6

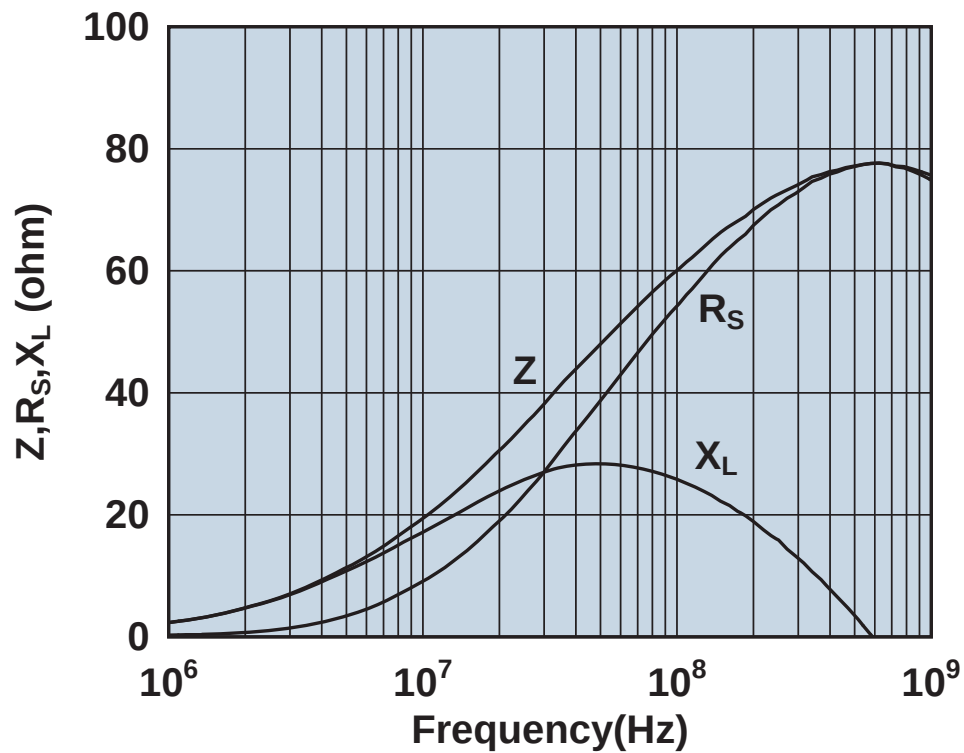


Impedance, reactance, and resistance vs. frequency.

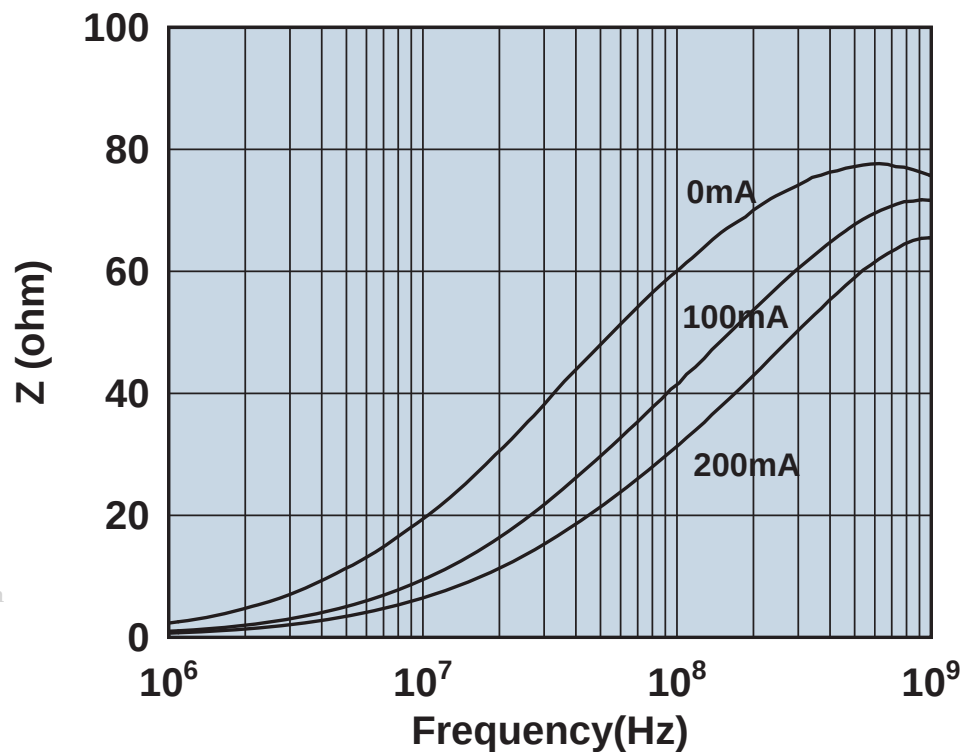


Impedance vs. frequency with dc bias.

2512066007Y0A4

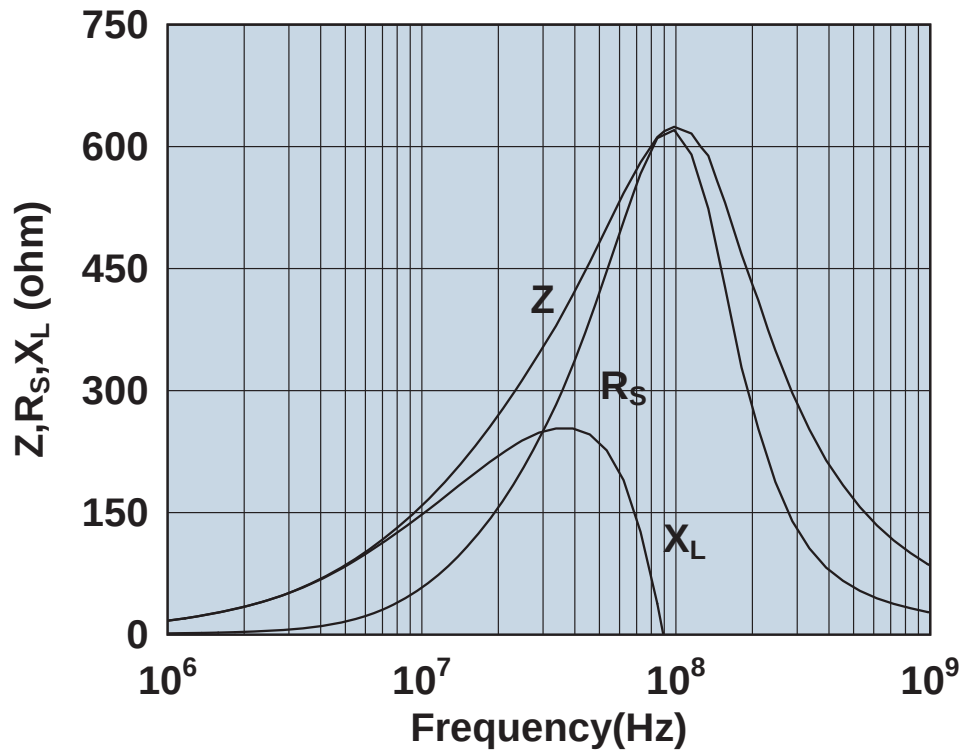


Impedance, reactance, and resistance vs. frequency.

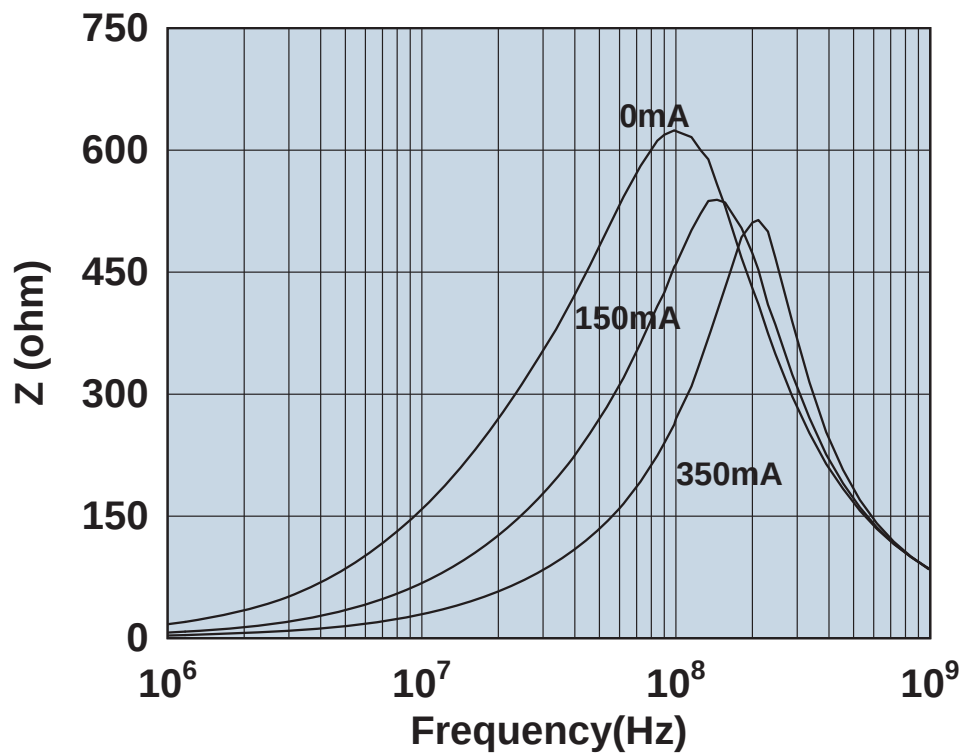


Impedance vs. frequency with dc bias.

2512066017Y0

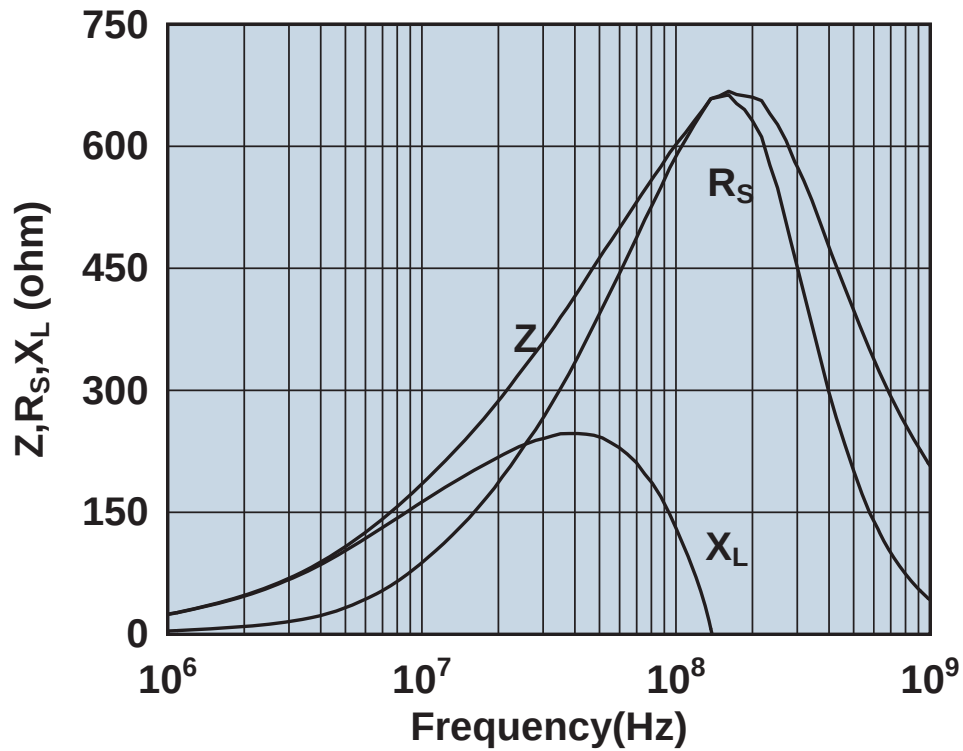


Impedance, reactance, and resistance vs. frequency.

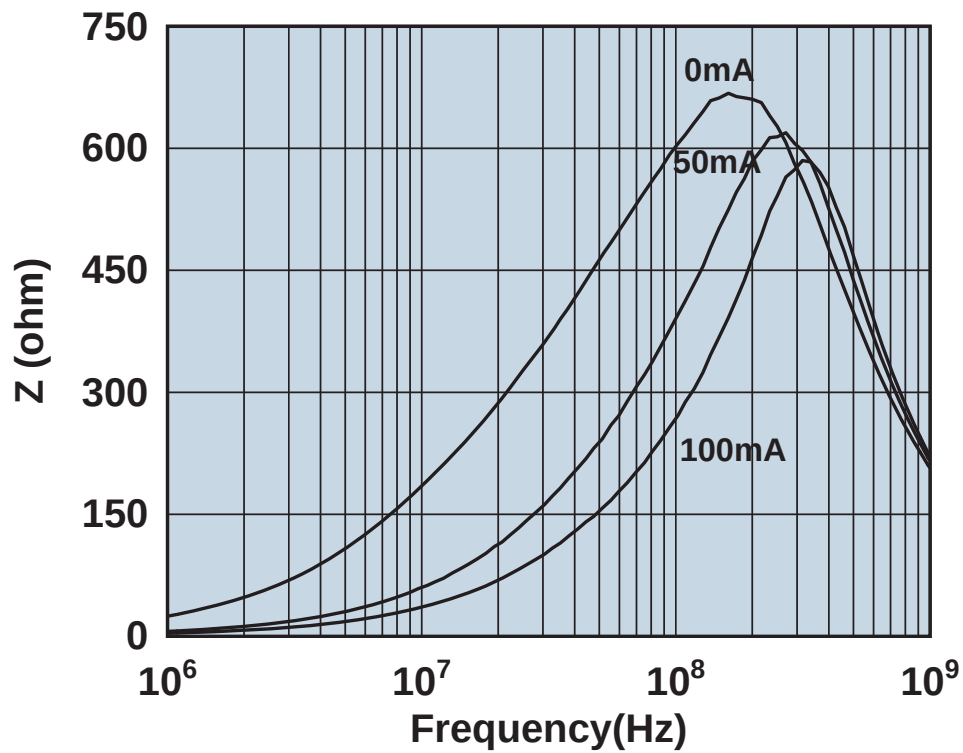


Impedance vs. frequency with dc bias.

2512066017Y0A4

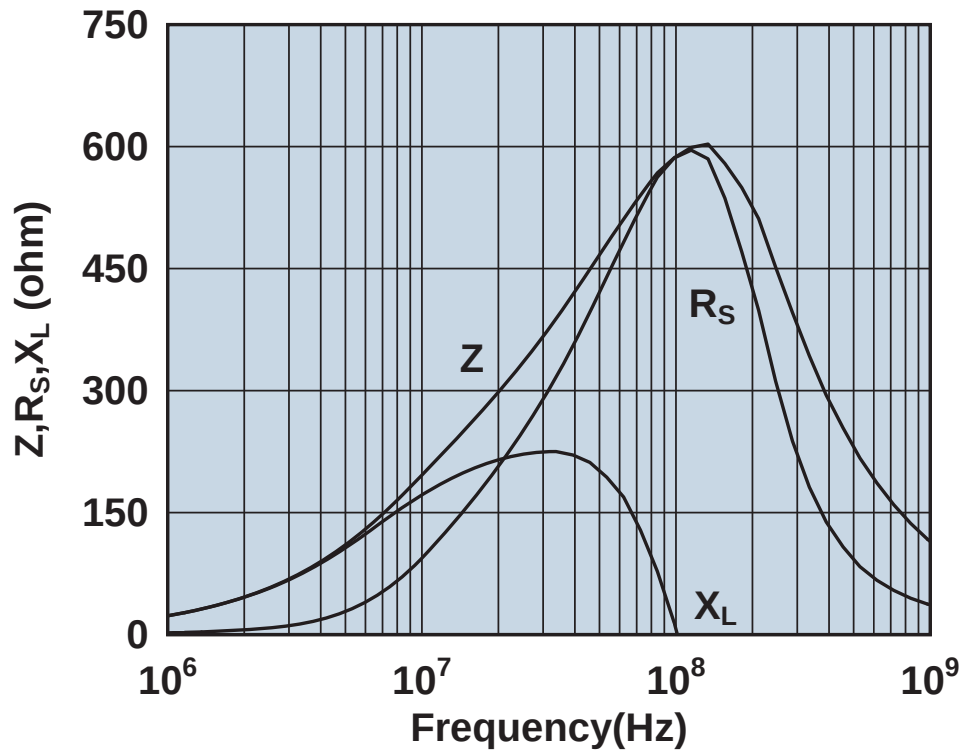


Impedance, reactance, and resistance vs. frequency.

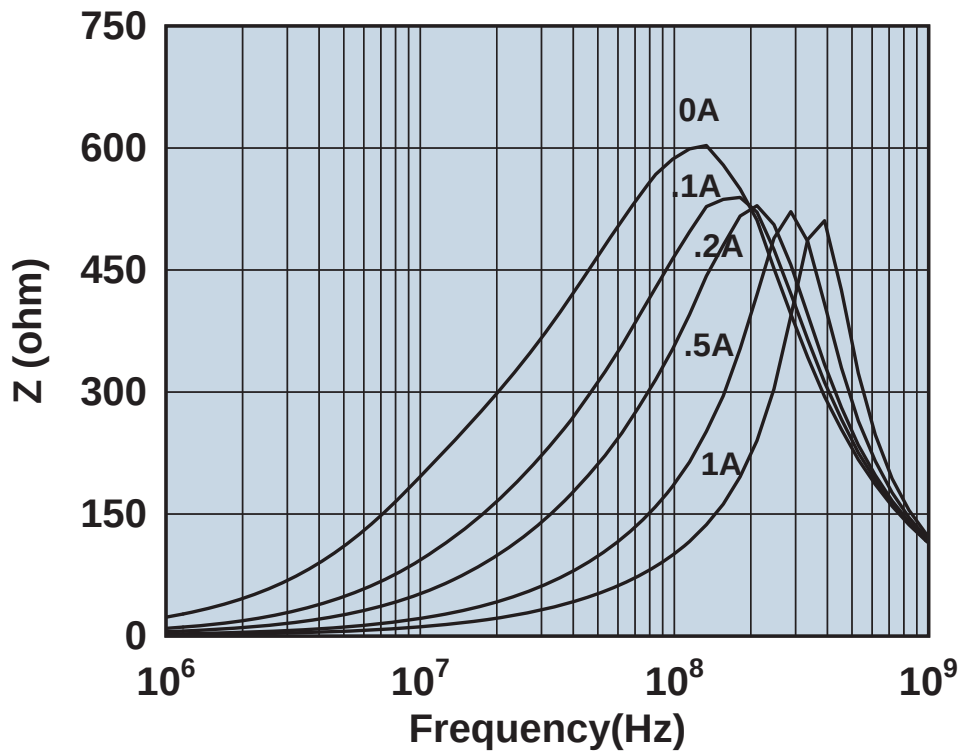


Impedance vs. frequency with dc bias.

2512066017Y1

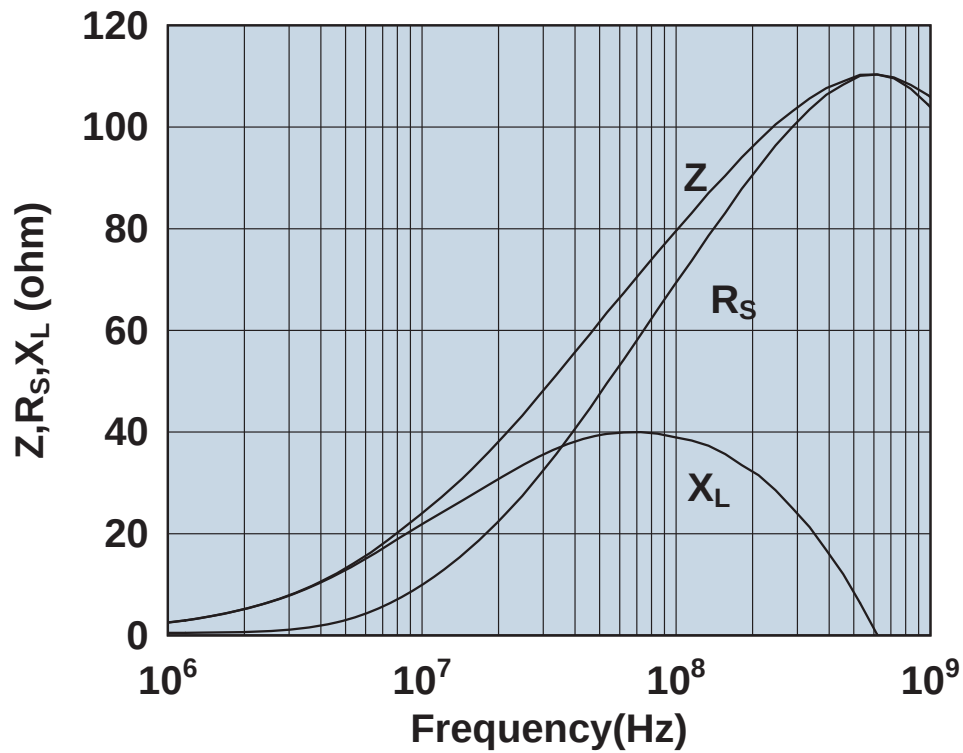


Impedance, reactance, and resistance vs. frequency.

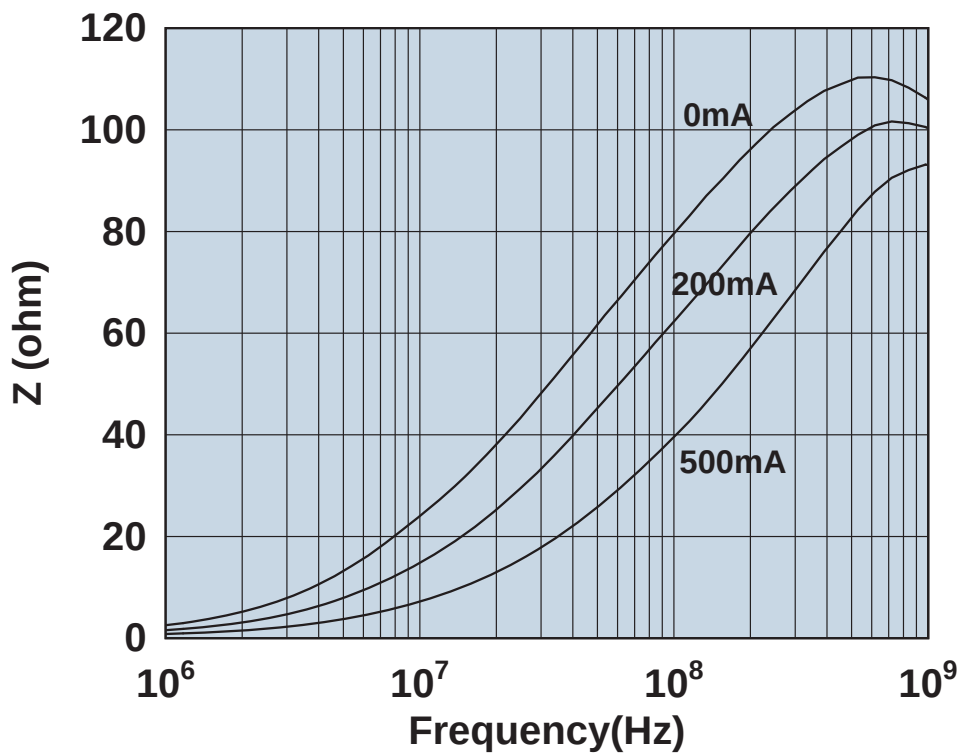


Impedance vs. frequency with dc bias.

2512067007Y0

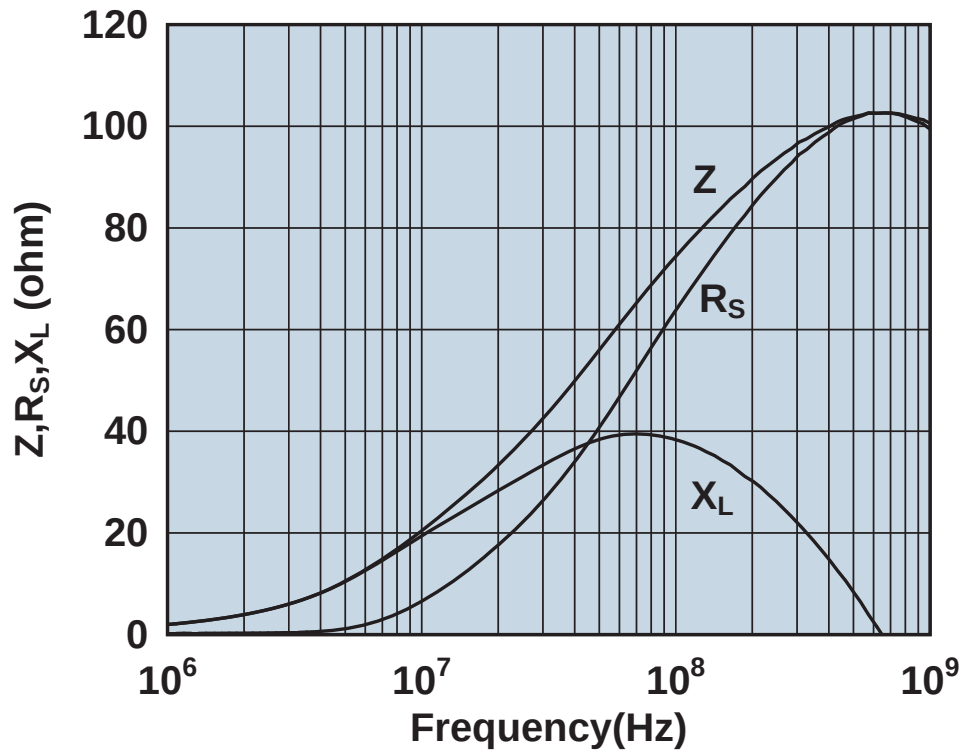


Impedance, reactance, and resistance vs. frequency.

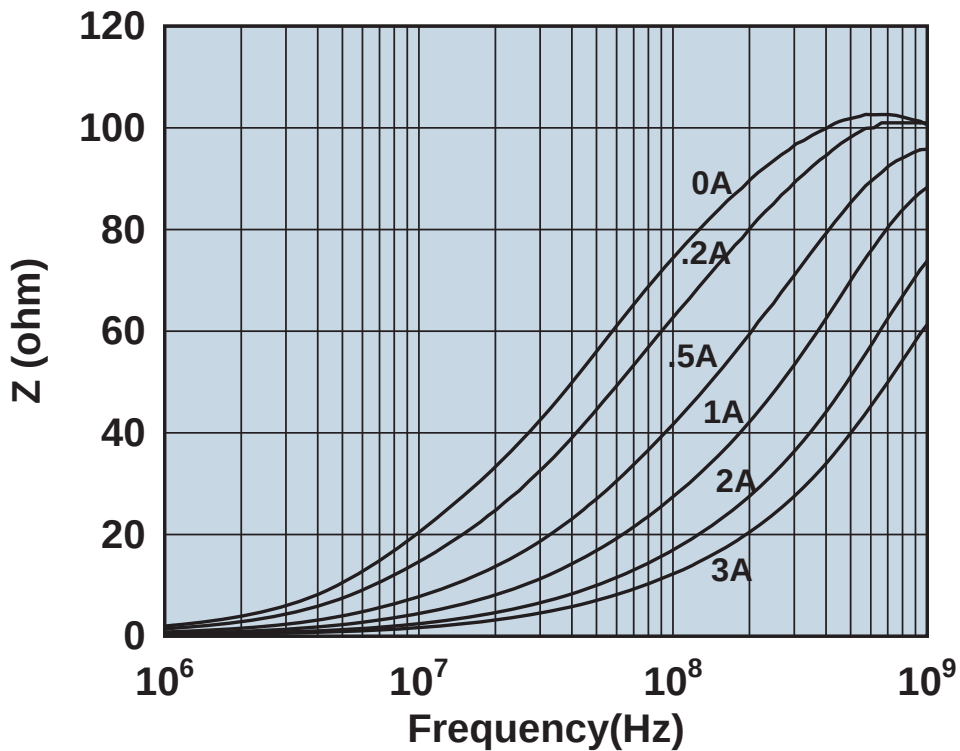


Impedance vs. frequency with dc bias.

2512067007Y3

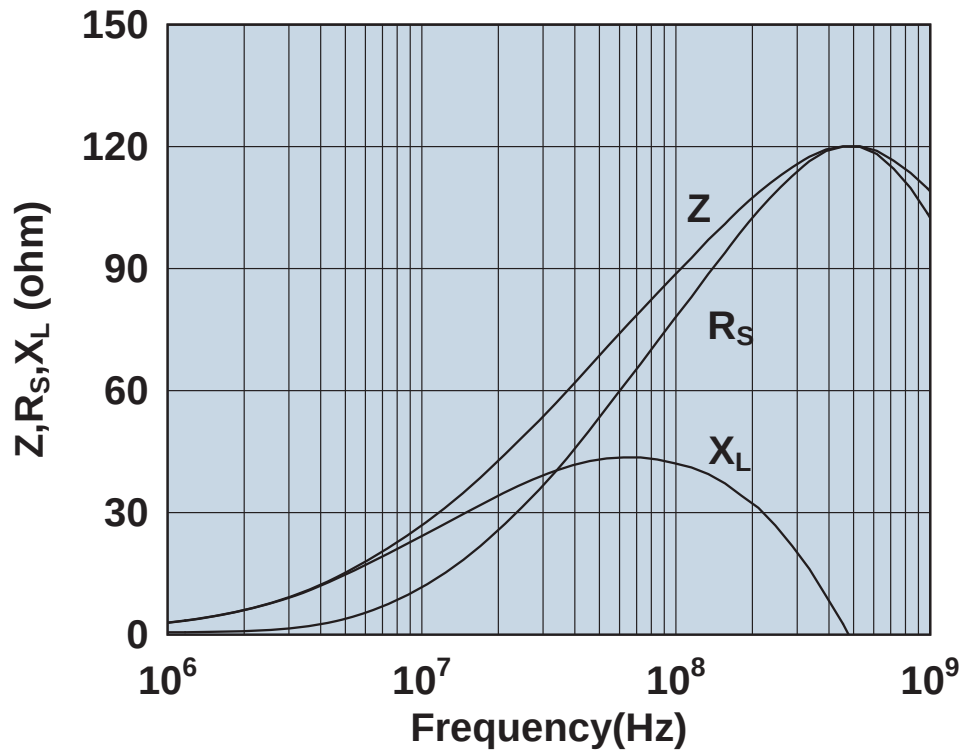


Impedance, reactance, and resistance vs. frequency.

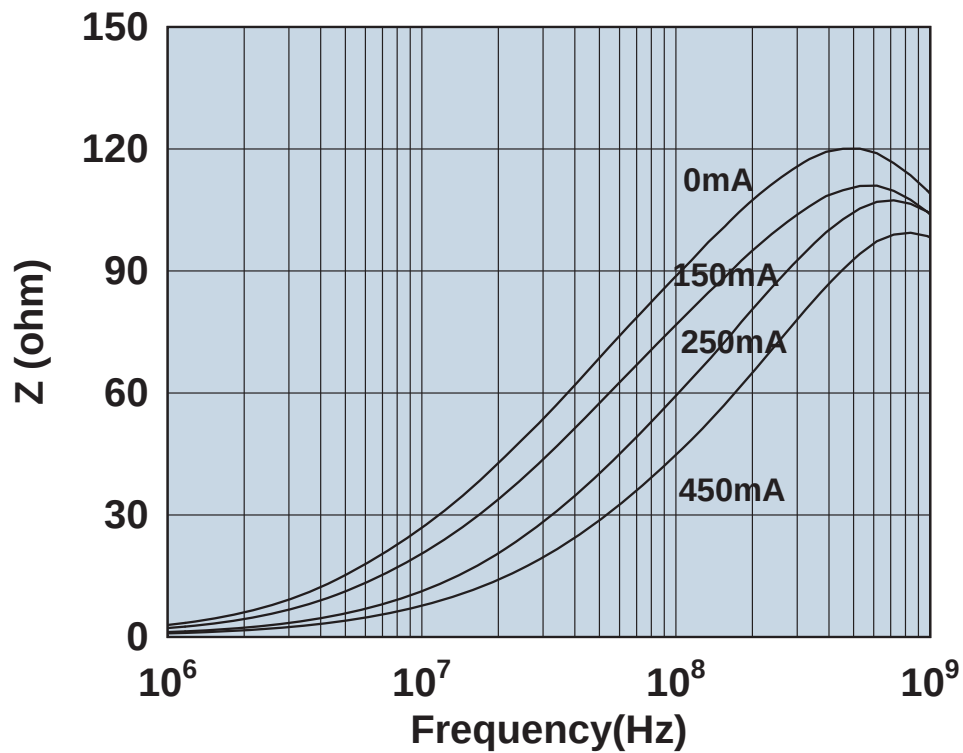


Impedance vs. frequency with dc bias.

2512069007Y0

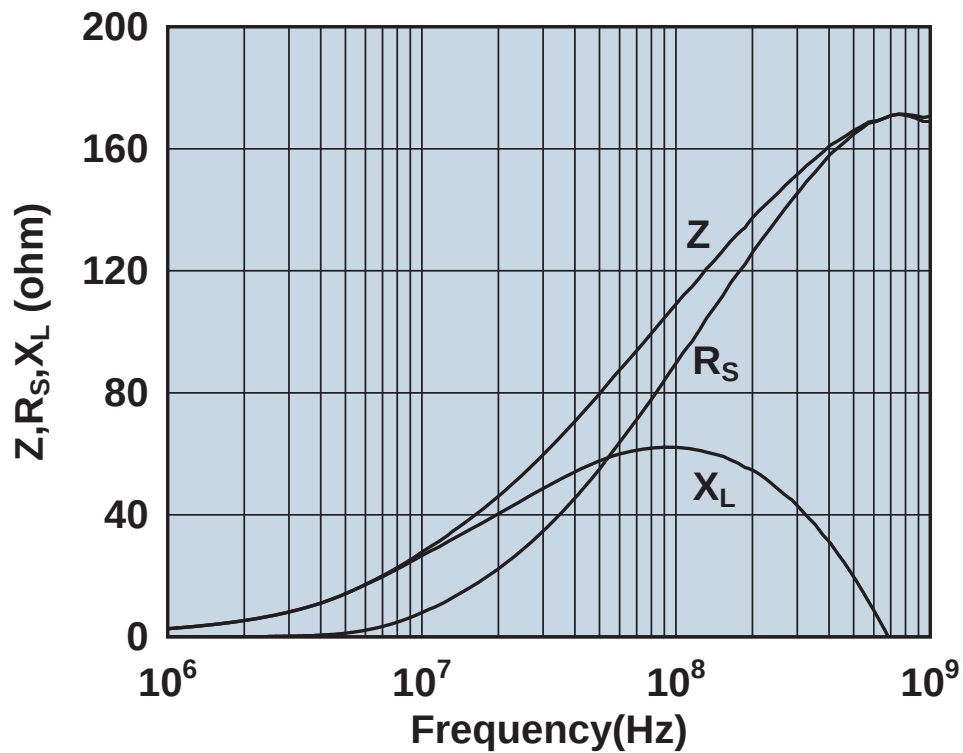


Impedance, reactance, and resistance vs. frequency.

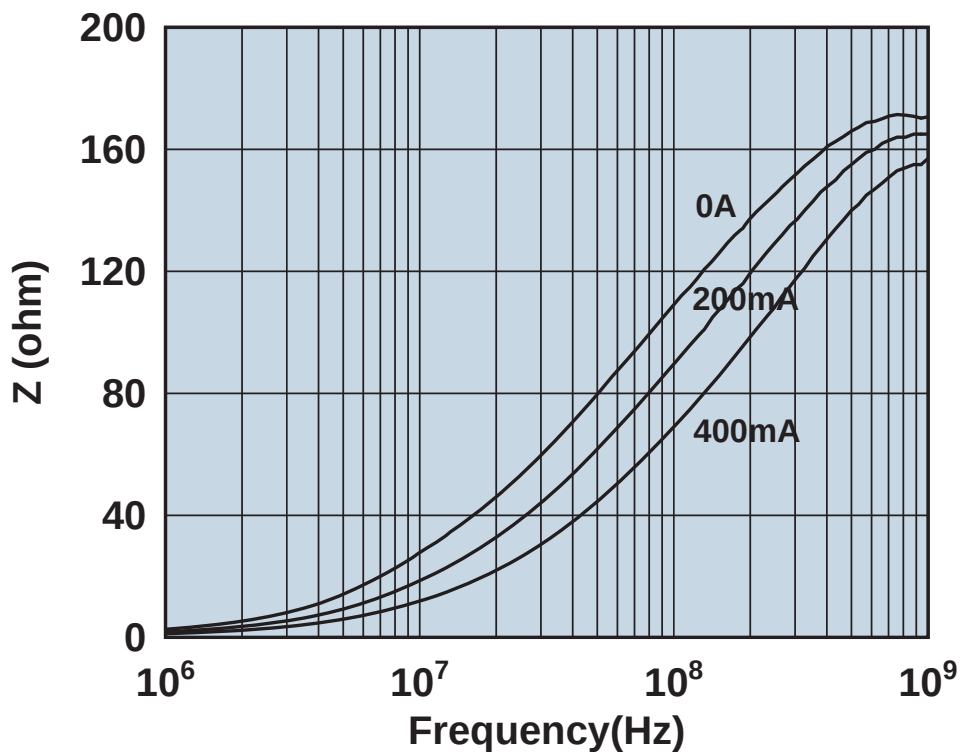


Impedance vs. frequency with dc bias.

2518061017Y0

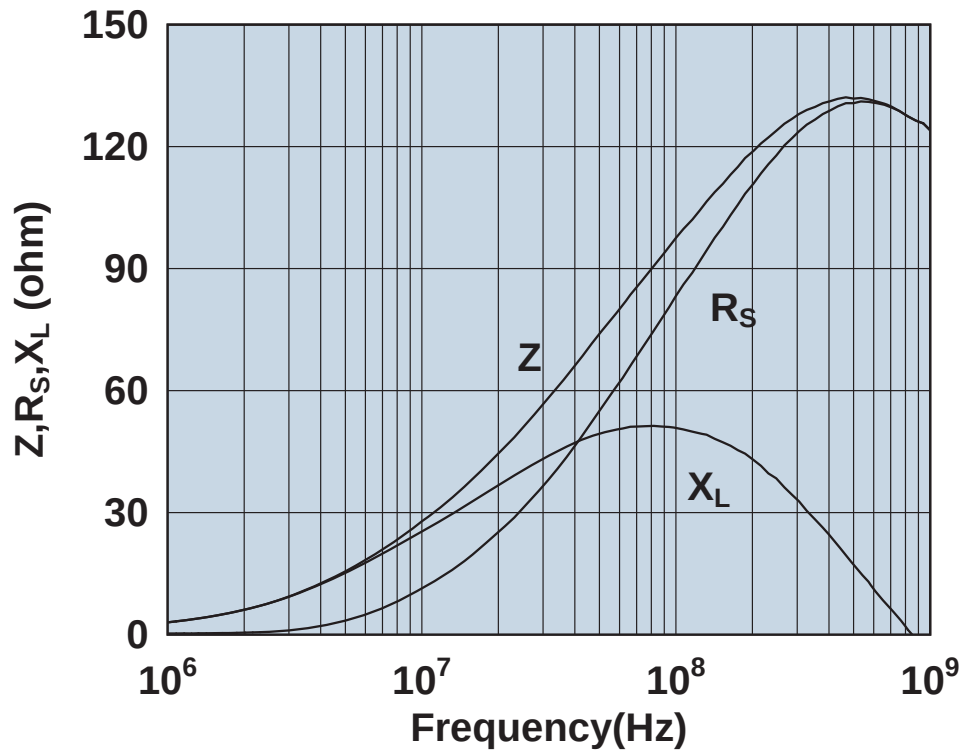


Impedance, reactance, and resistance vs. frequency.

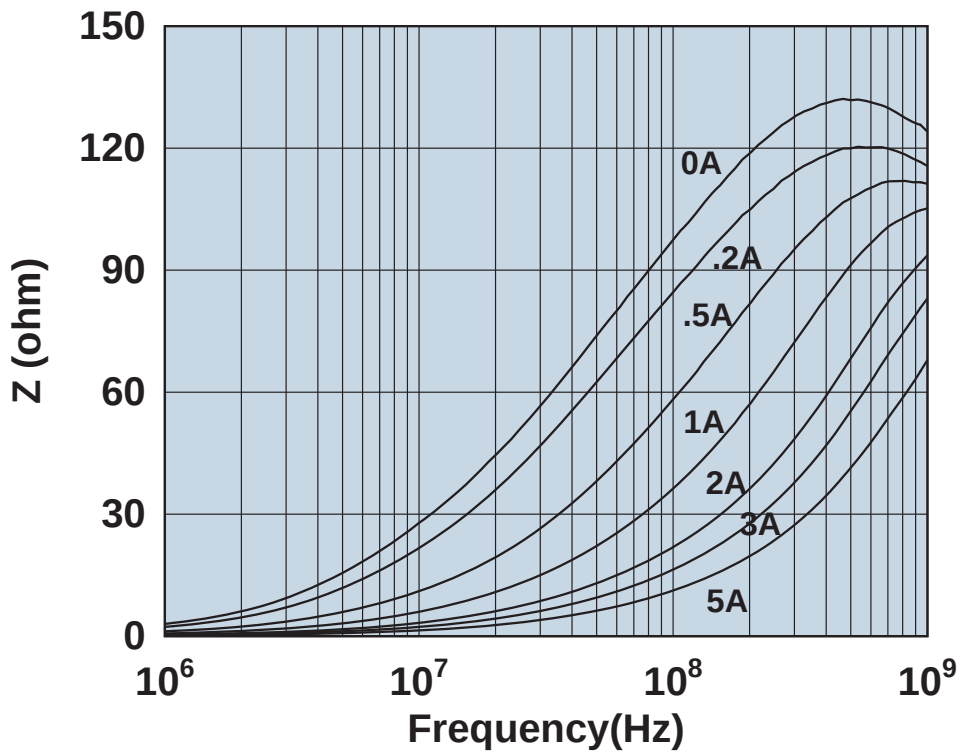


Impedance vs. frequency with dc bias.

2518061017Y6



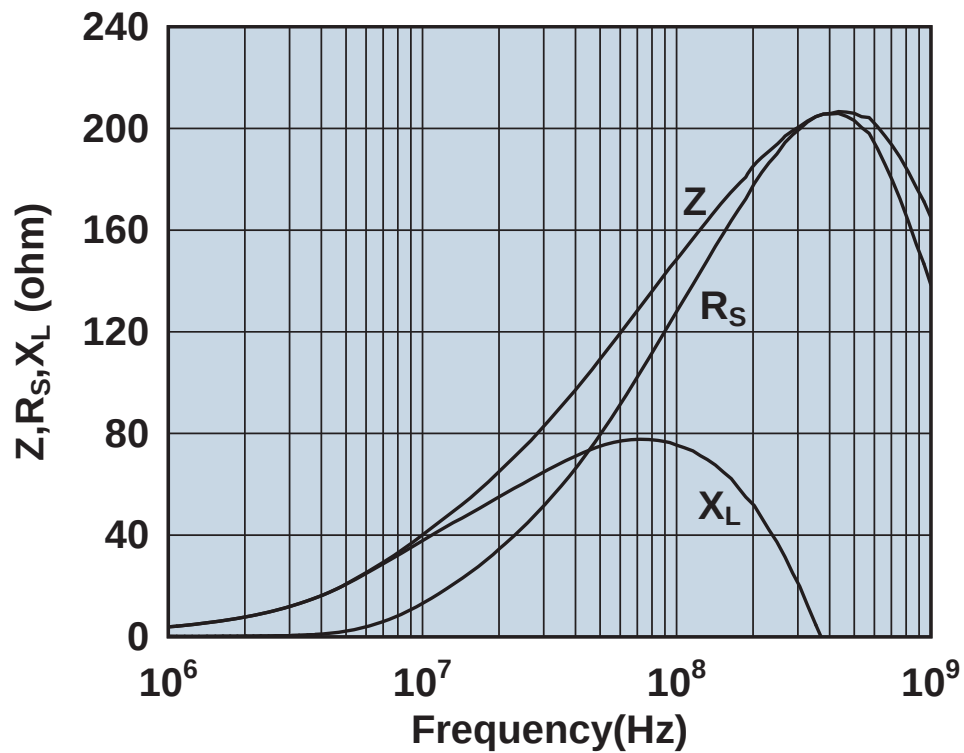
Impedance, reactance, and resistance vs. frequency.



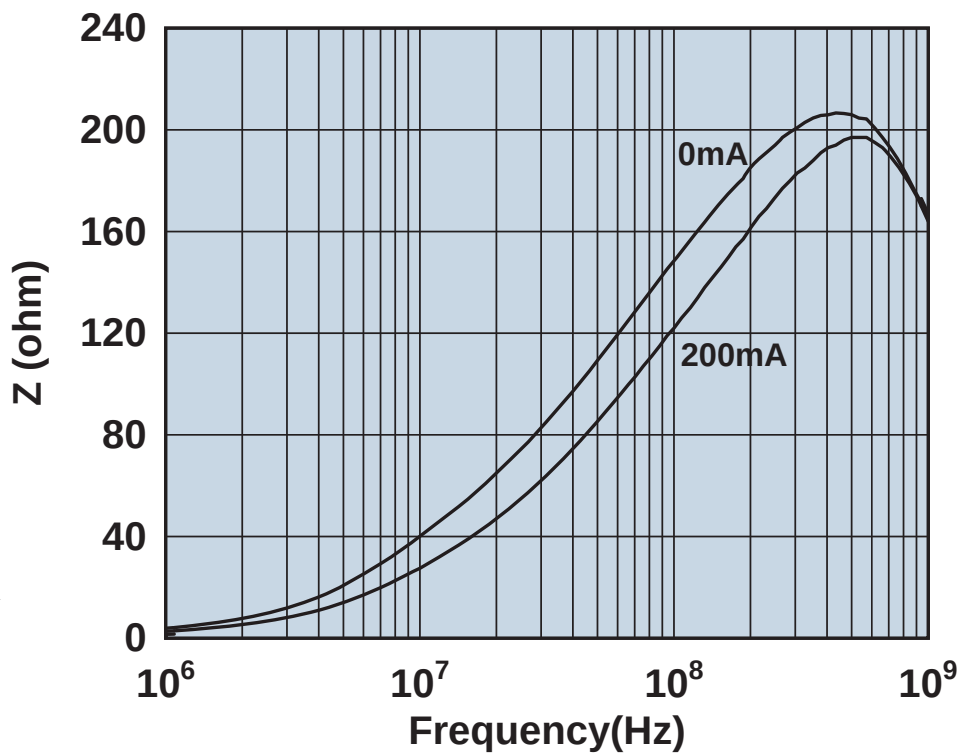
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Impedance vs. frequency with dc bias.

2518061517Y0

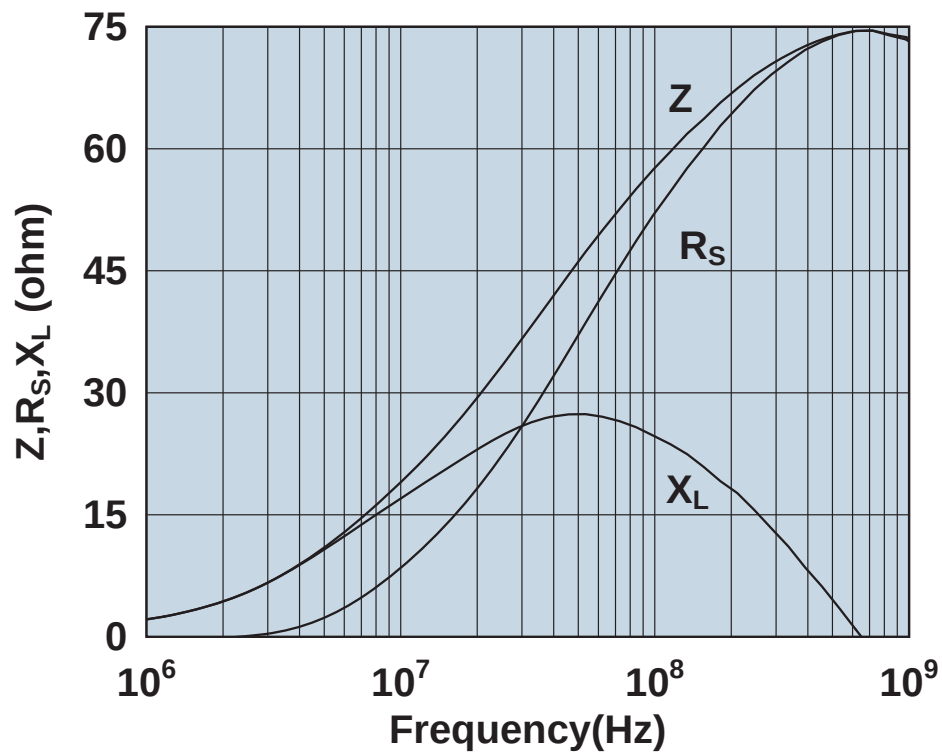


Impedance, reactance, and resistance vs. frequency.

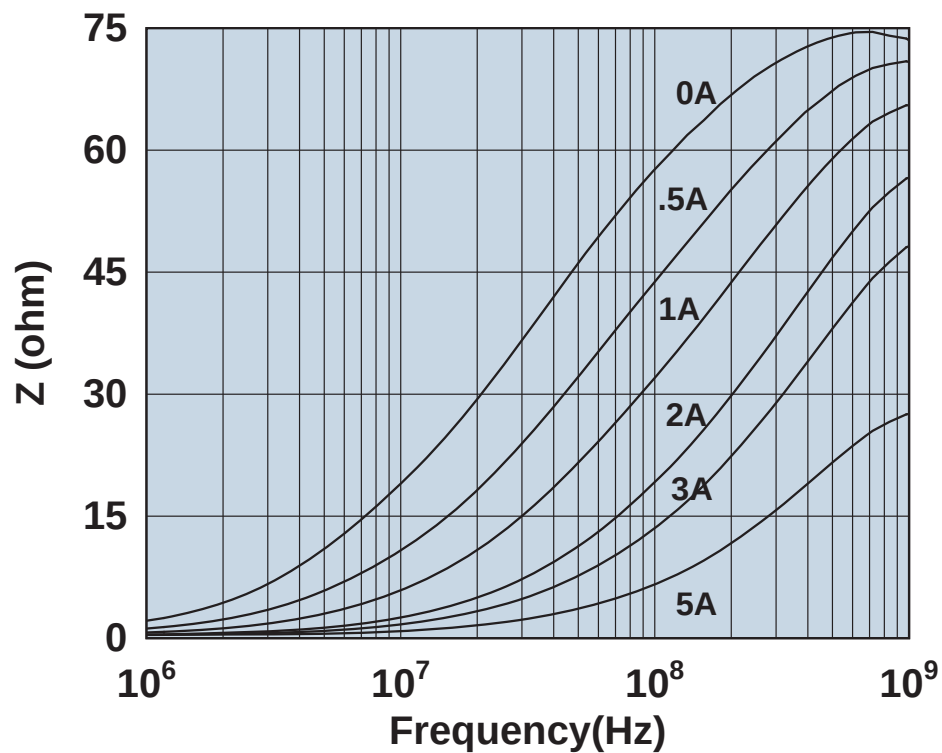


Impedance vs. frequency with dc bias.

2518065007Y6

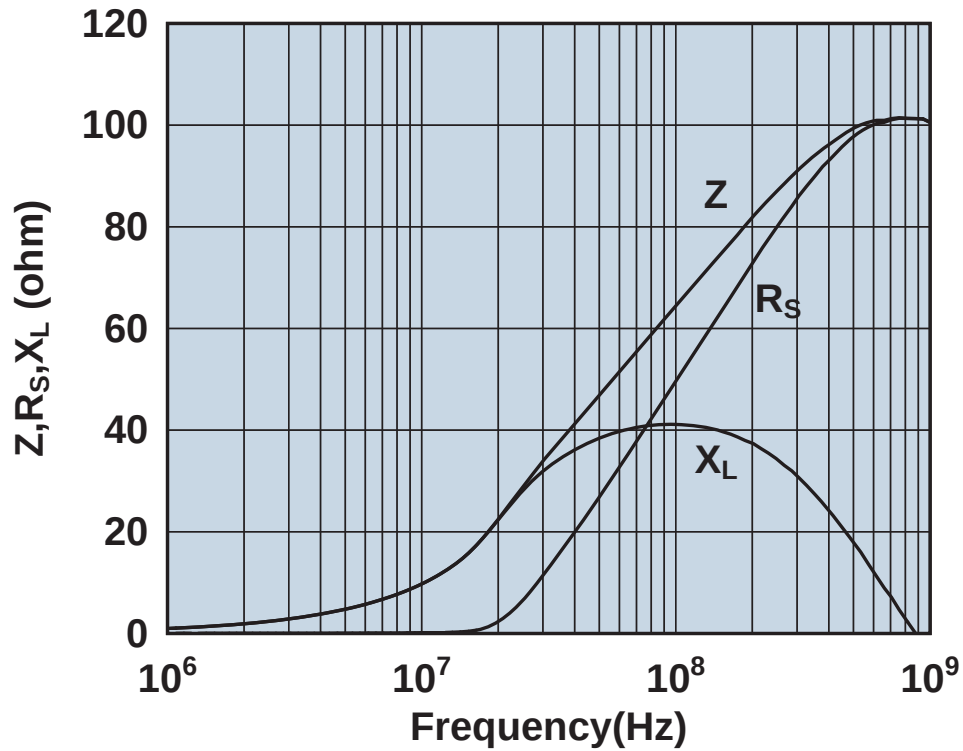


Impedance, reactance, and resistance vs. frequency.

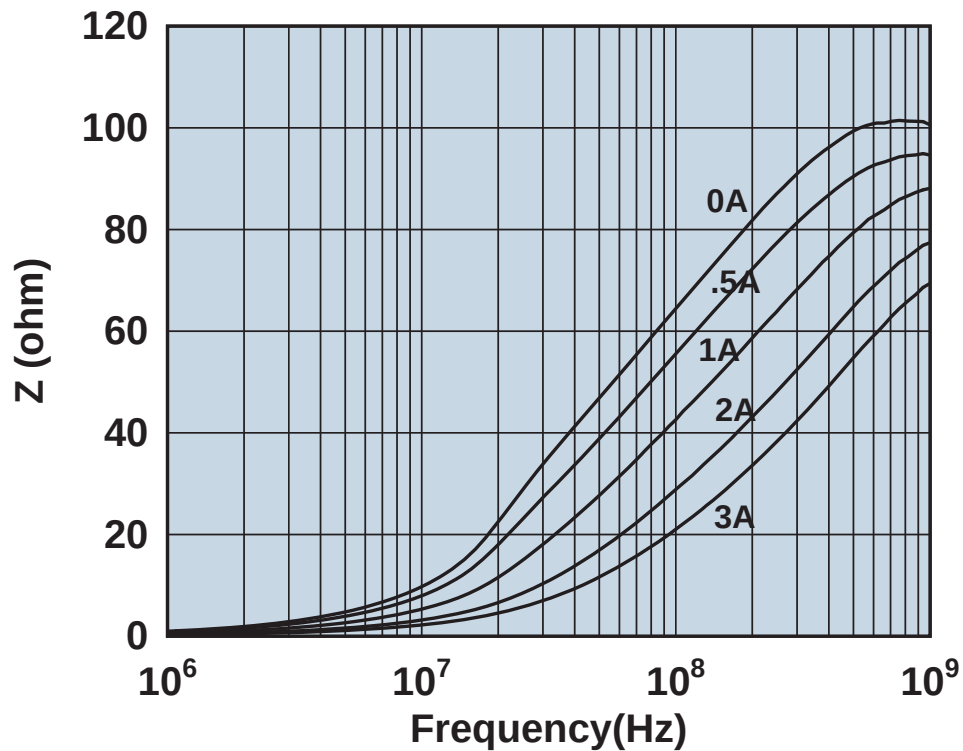


Impedance vs. frequency with dc bias.

2518066007Y3

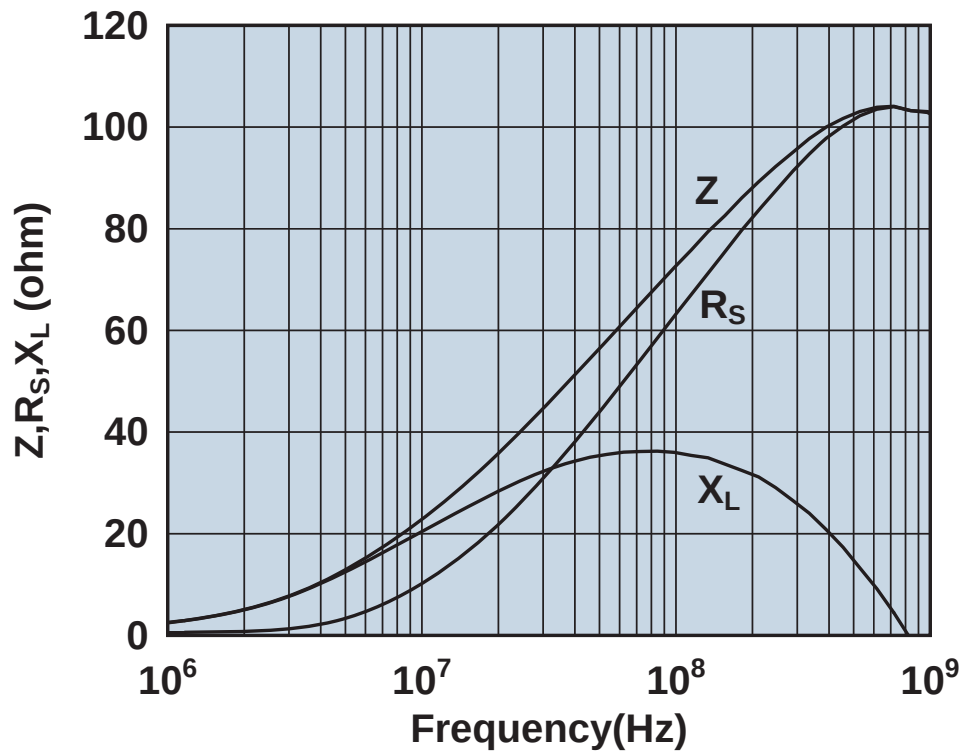


Impedance, reactance, and resistance vs. frequency.

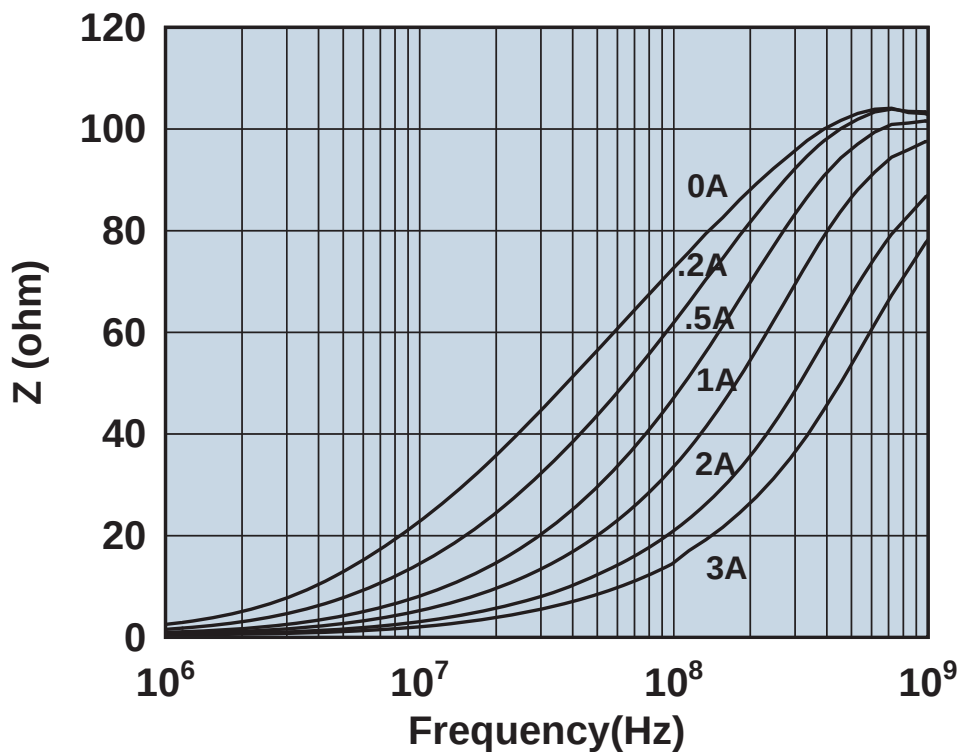


Impedance vs. frequency with dc bias.

2518068007Y3

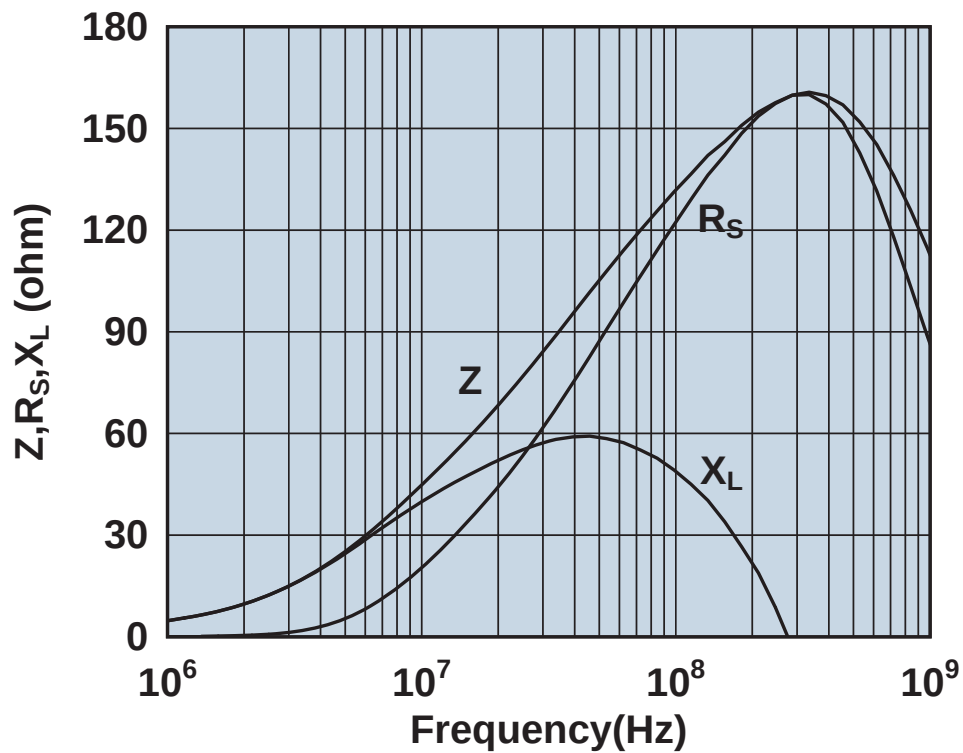


Impedance, reactance, and resistance vs. frequency.

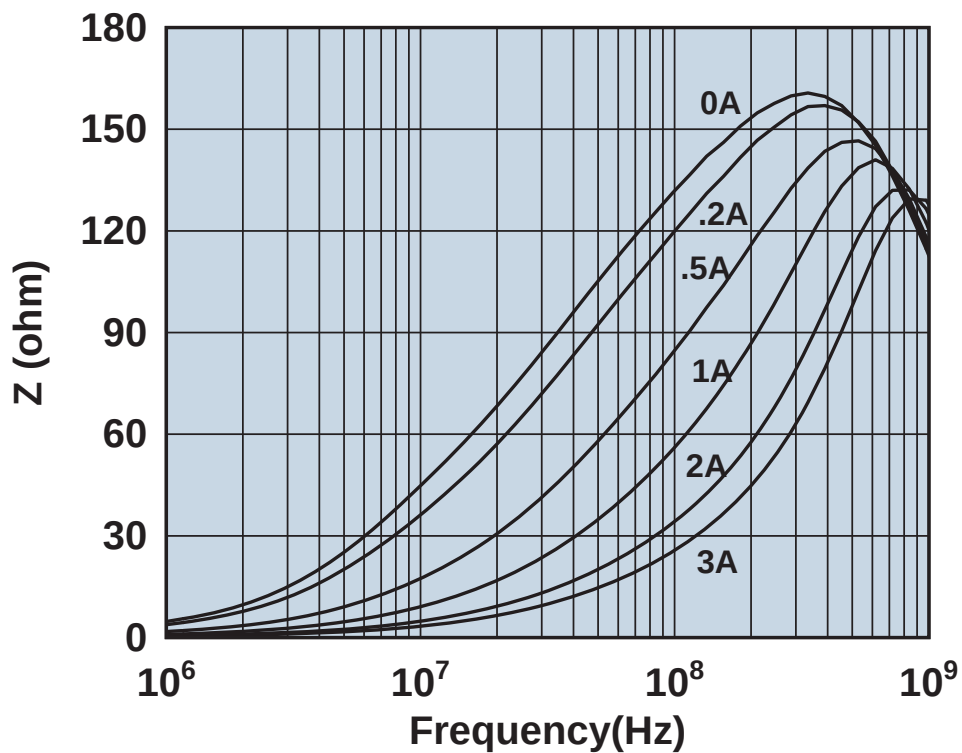


Impedance vs. frequency with dc bias.

2518121217Y3

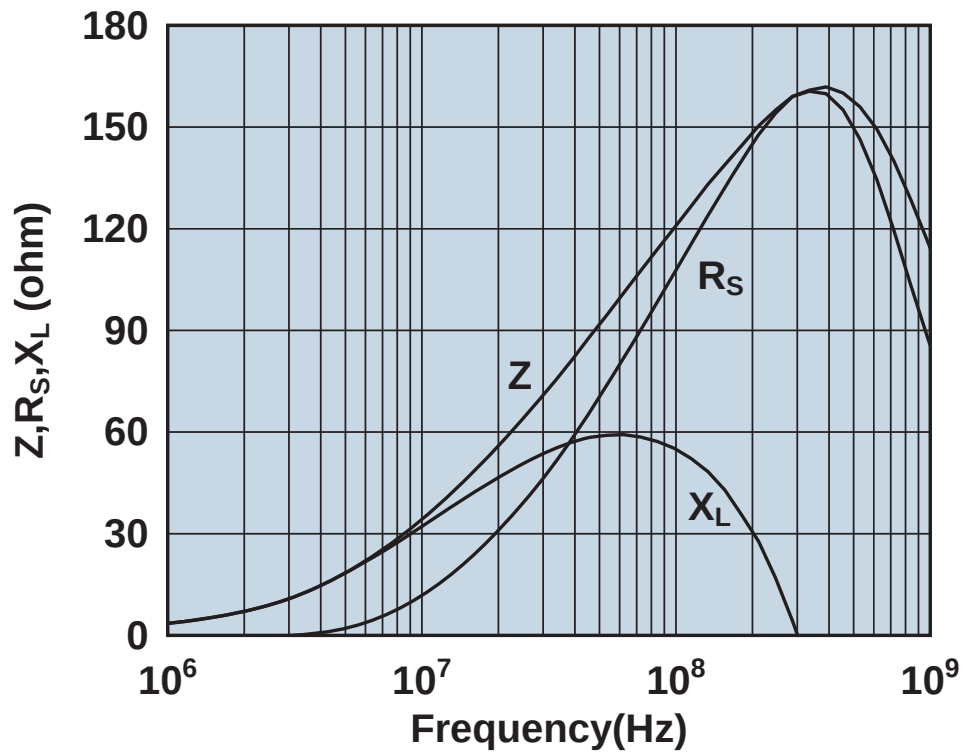


Impedance, reactance, and resistance vs. frequency.

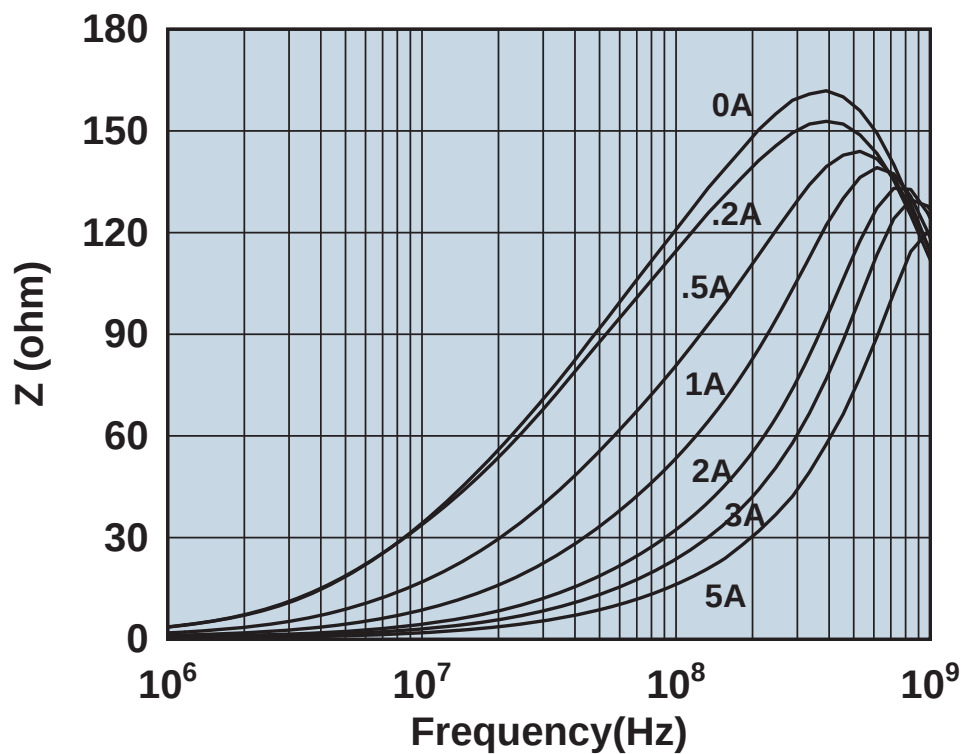


Impedance vs. frequency with dc bias.

2518121217Y6

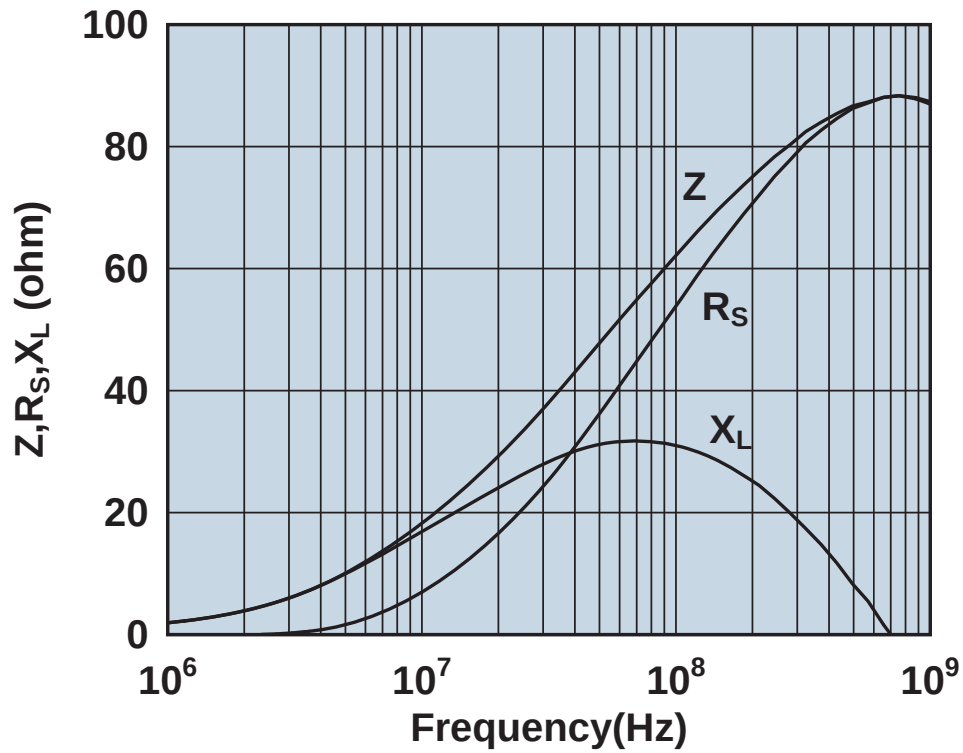


Impedance, reactance, and resistance vs. frequency.

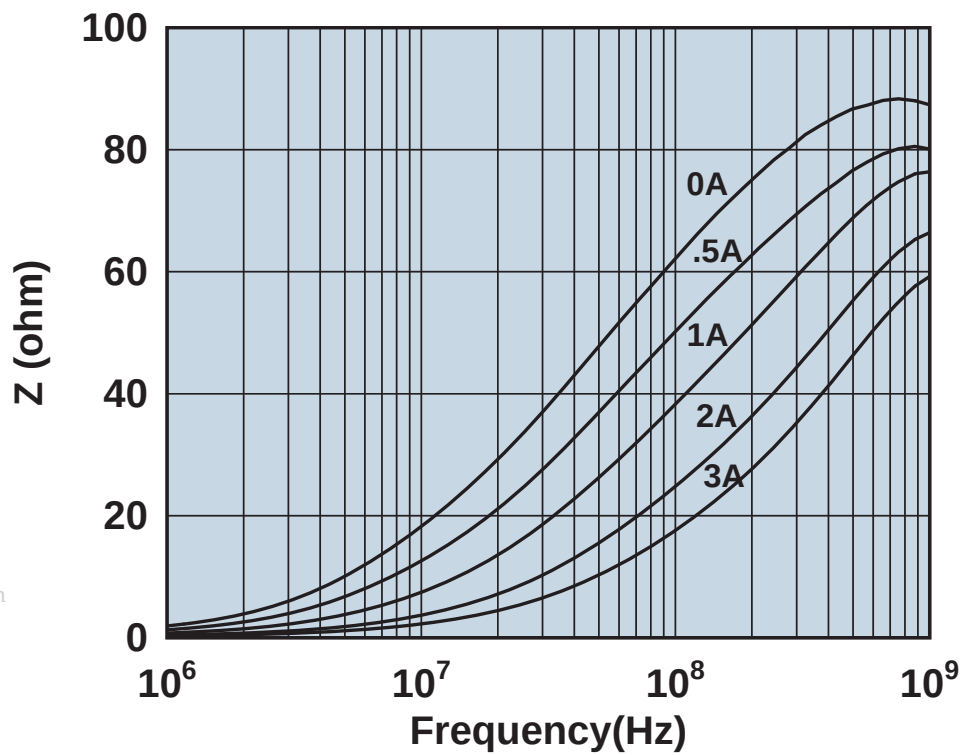


Impedance vs. frequency with dc bias.

2518127007Y3

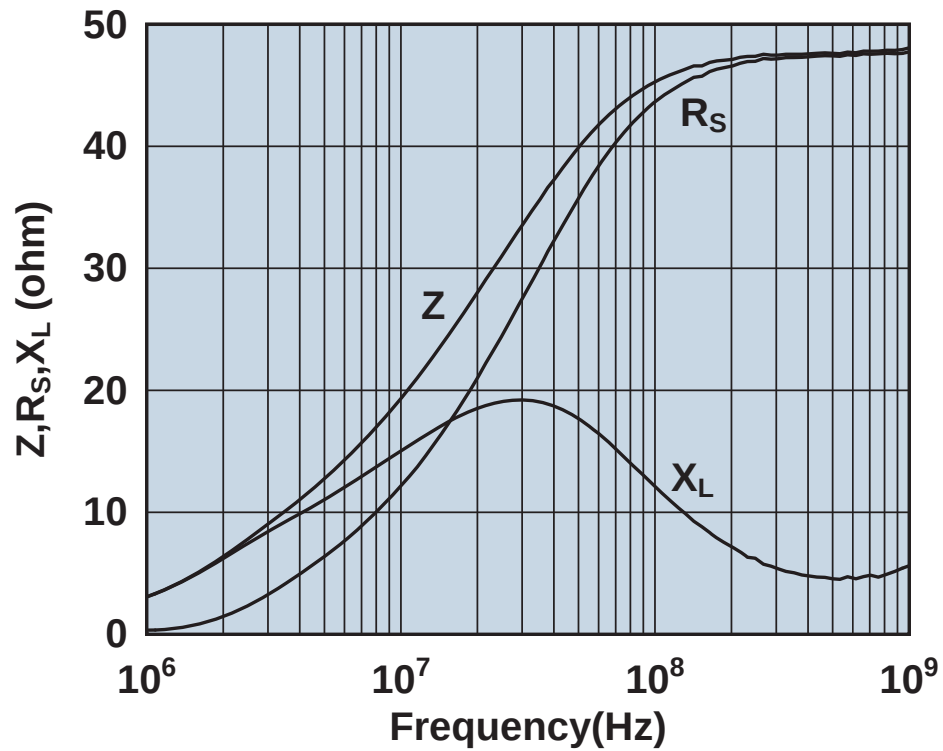


Impedance, reactance, and resistance vs. frequency.

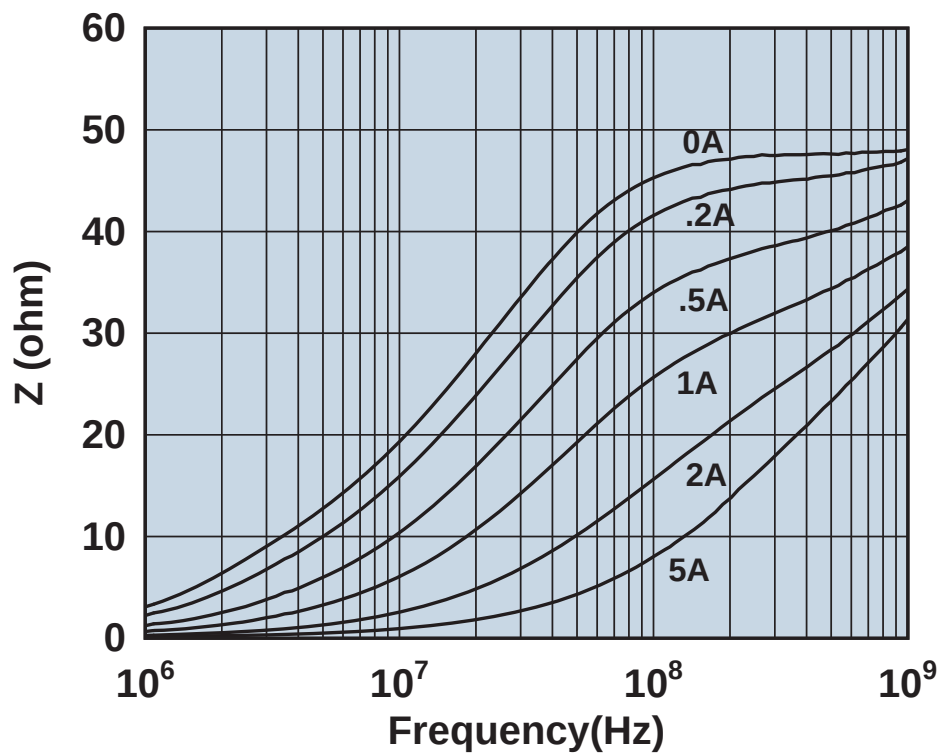


Impedance vs. frequency with dc bias.

2743019447



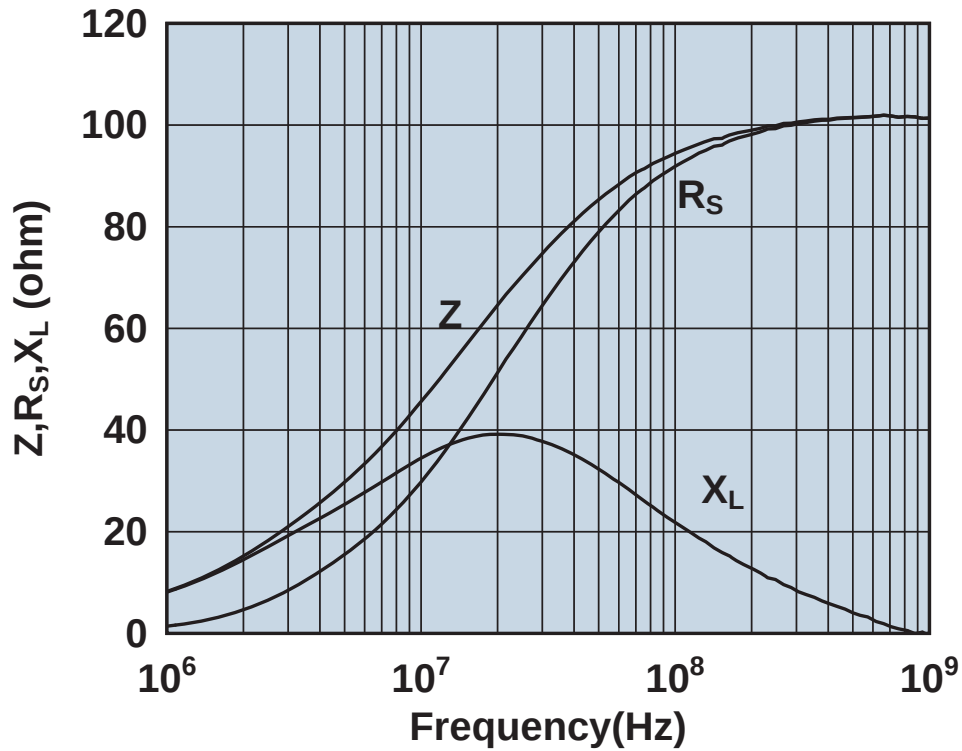
Impedance, reactance, and resistance vs. frequency.



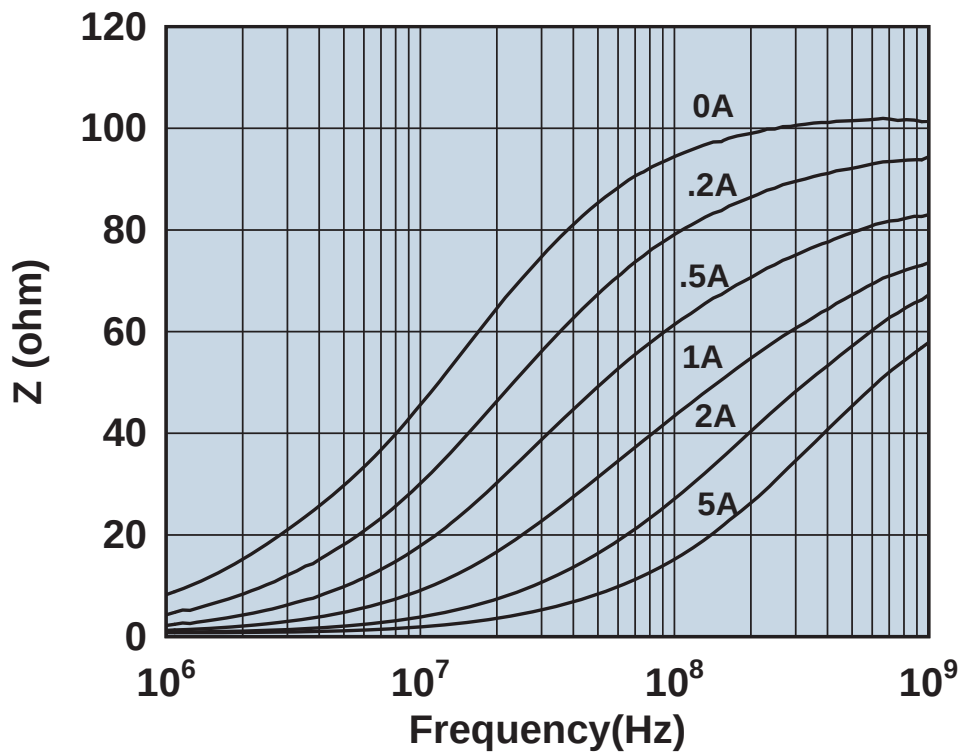
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Impedance vs. frequency with dc bias.

2743021447

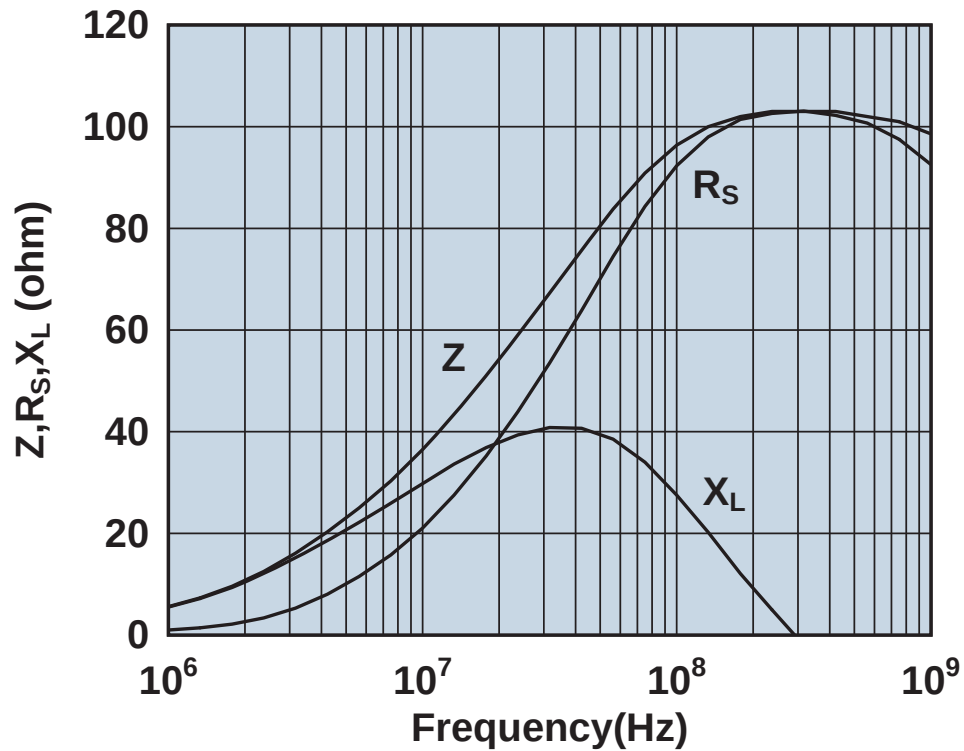


Impedance, reactance, and resistance vs. frequency.

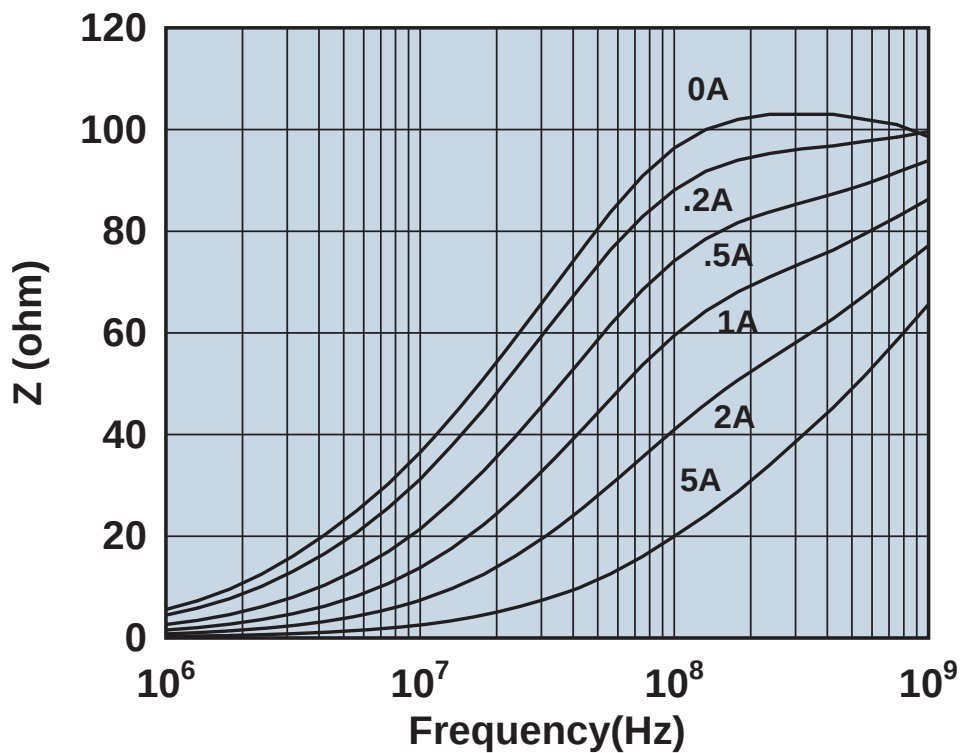


Impedance vs. frequency with dc bias.

2743037447



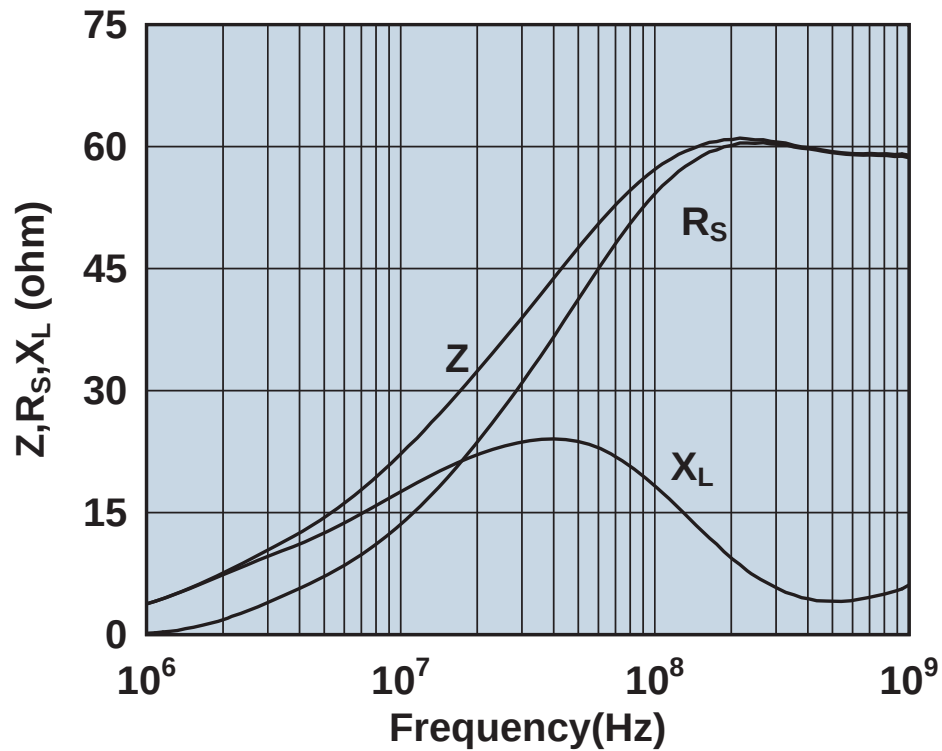
Impedance, reactance, and resistance vs. frequency.



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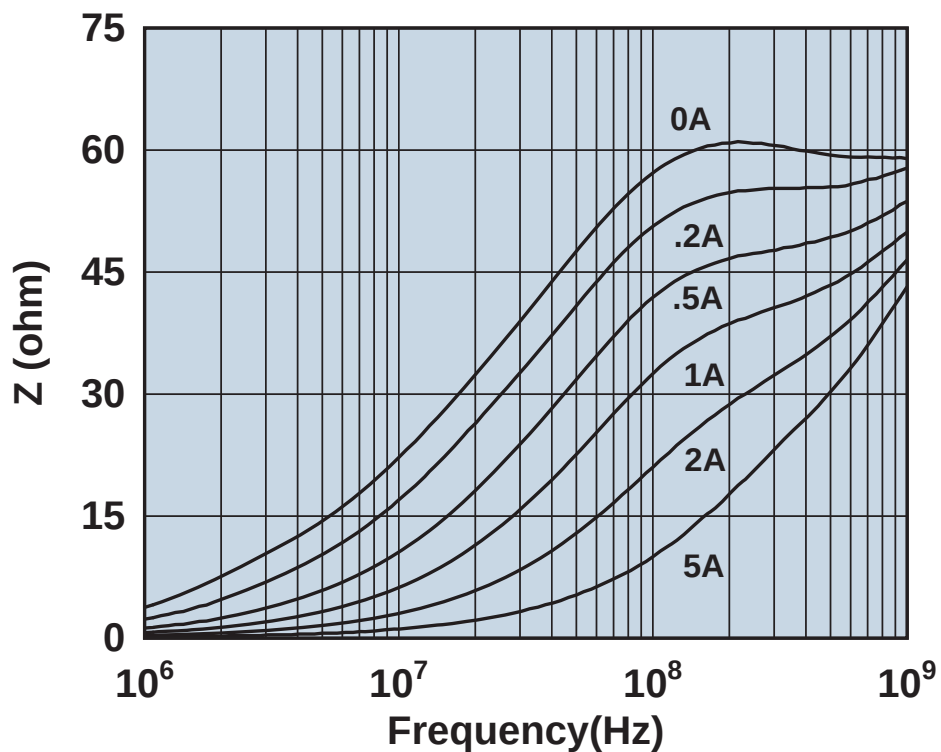
Impedance vs. frequency with dc bias.

2744040447



Impedance, reactance, and resistance vs. frequency.

2744040447

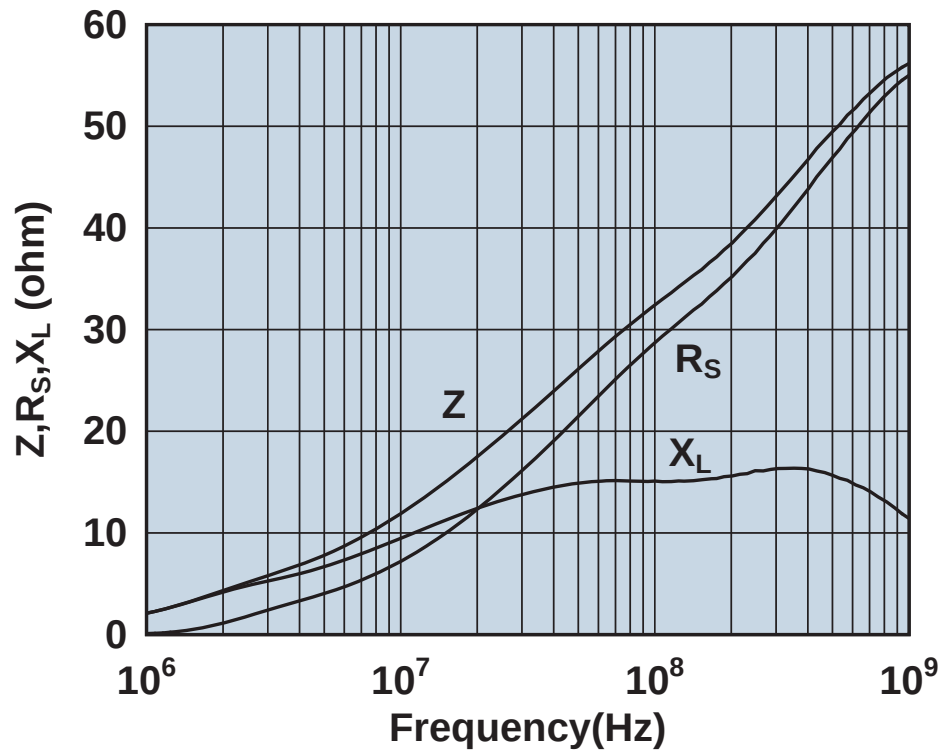


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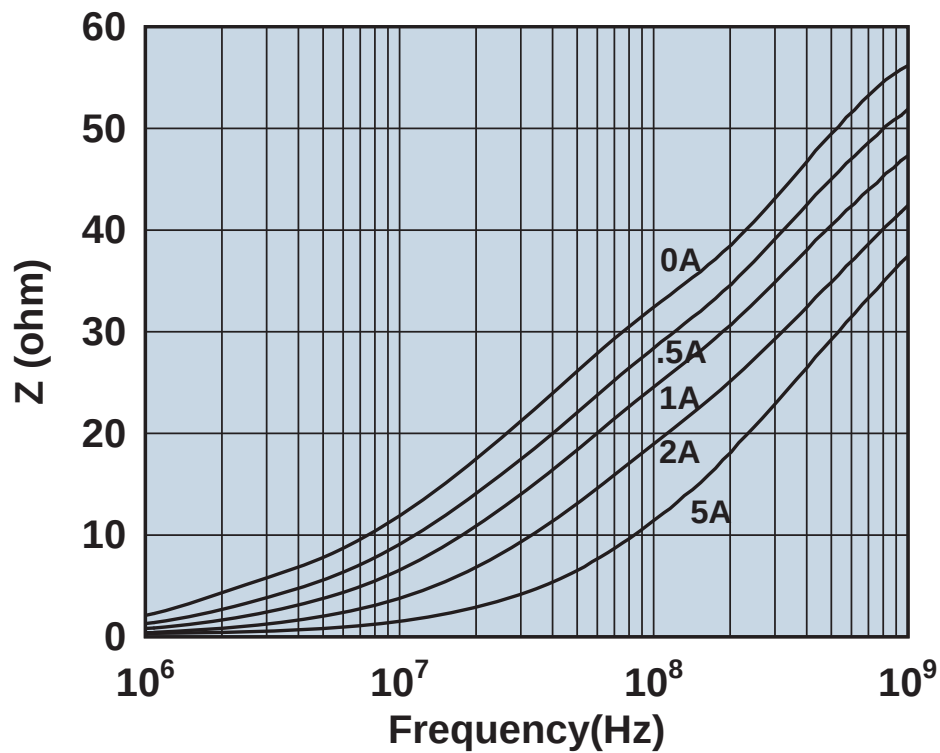
Impedance vs. frequency with dc bias.

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2744041447

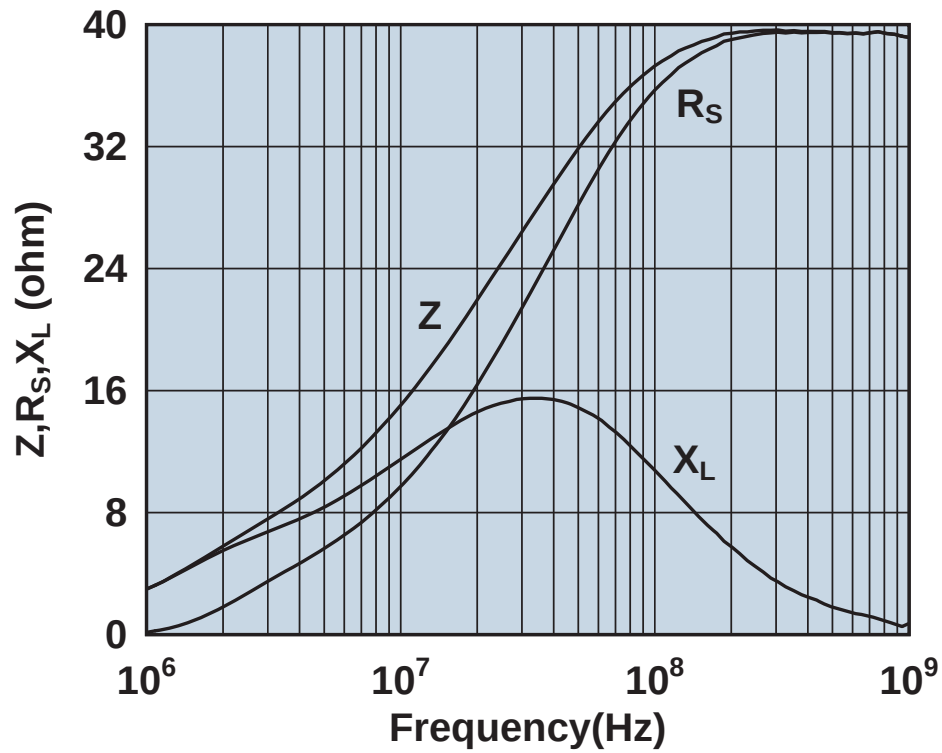


Impedance, reactance, and resistance vs. frequency.

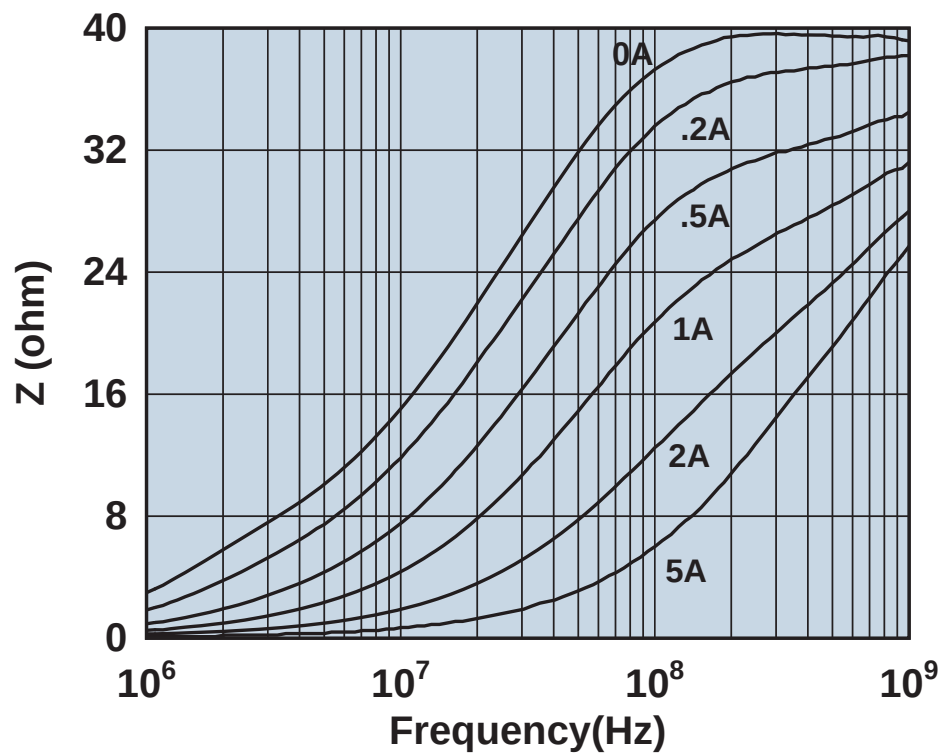


Impedance vs. frequency with dc bias.

274404447

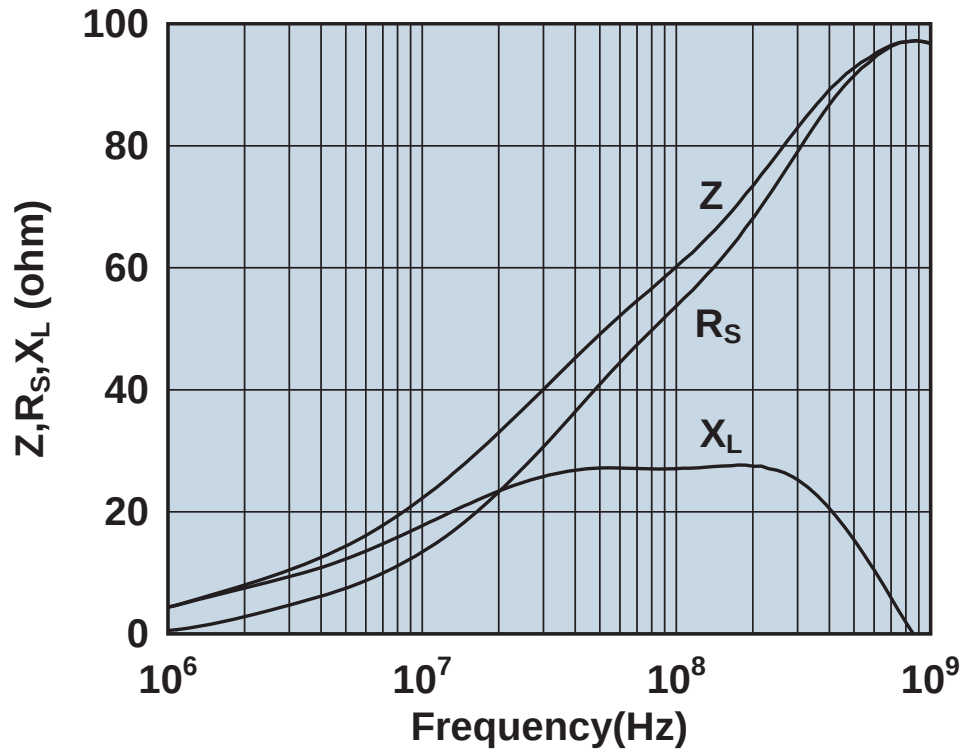


Impedance, reactance, and resistance vs. frequency.

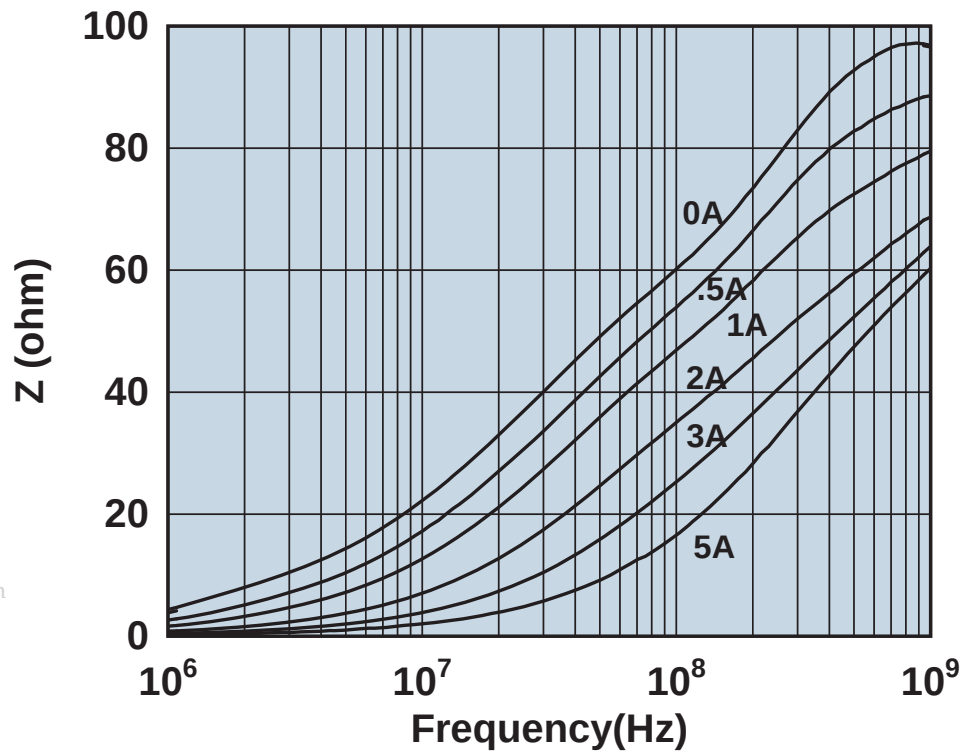


Impedance vs. frequency with dc bias.

2744045447

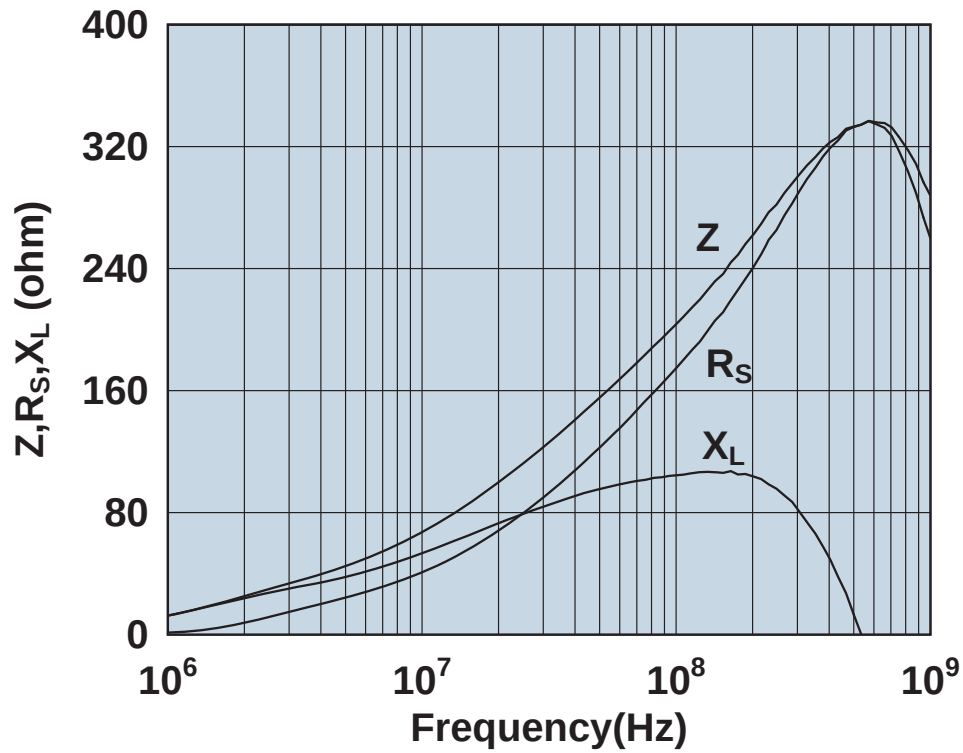


Impedance, reactance, and resistance vs. frequency.

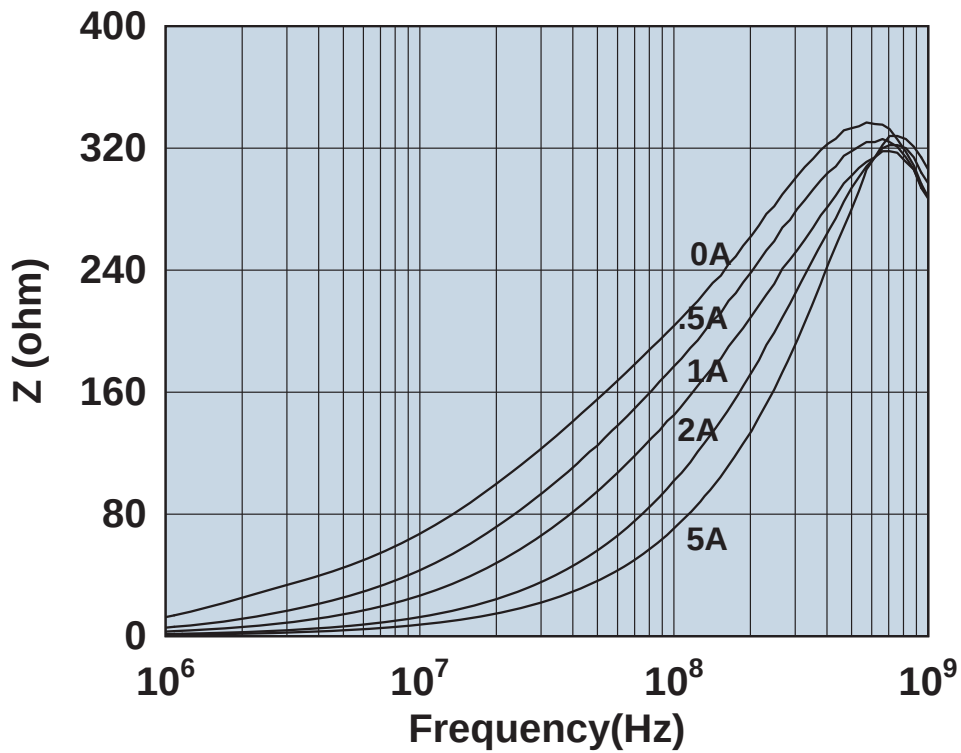


Impedance vs. frequency with dc bias.

2744051447

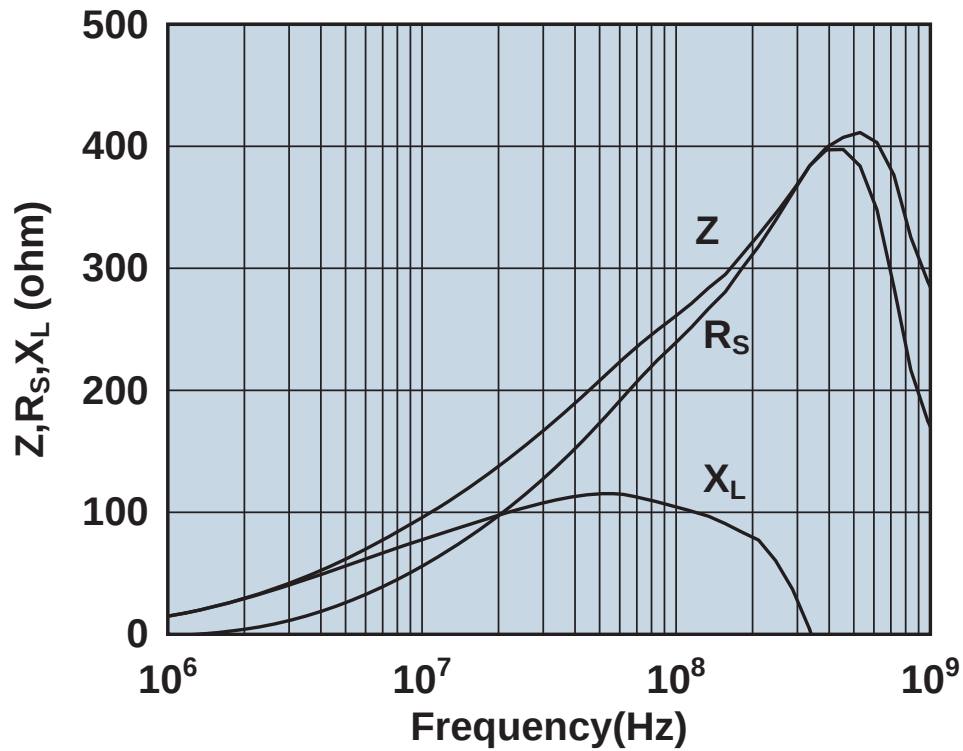


Impedance, reactance, and resistance vs. frequency.

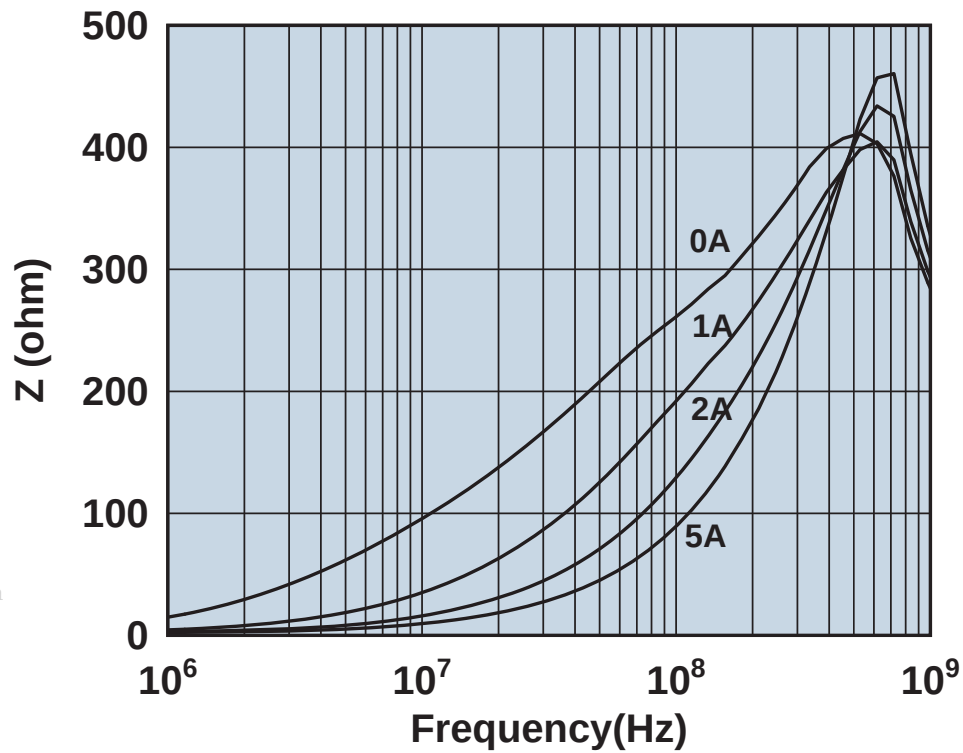


Impedance vs. frequency with dc bias.

2744065447

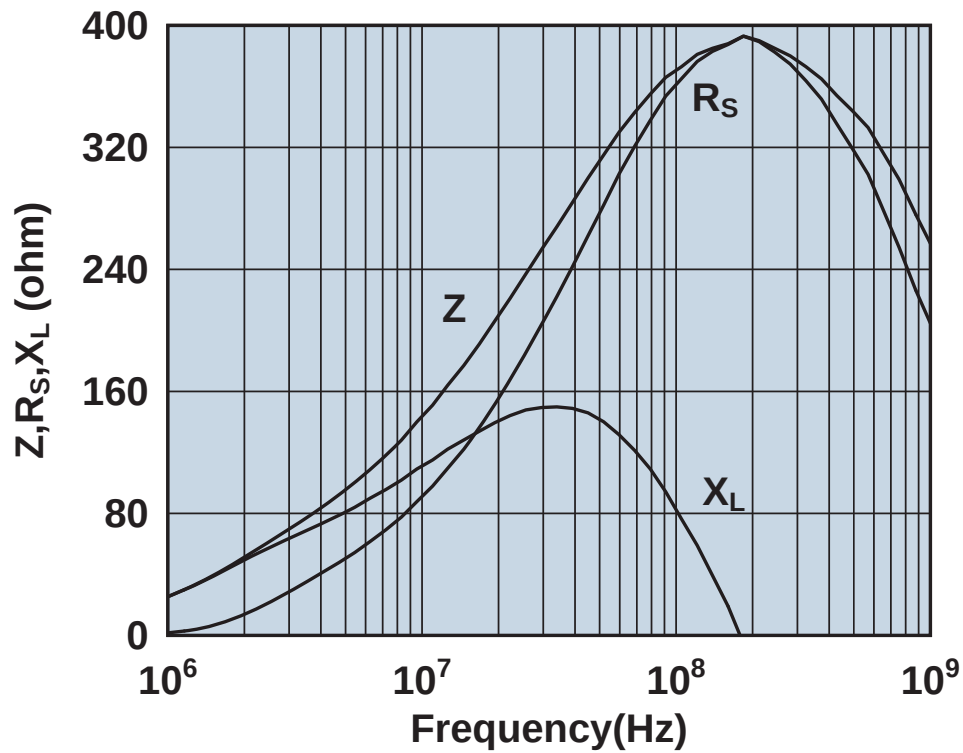


Impedance, reactance, and resistance vs. frequency.

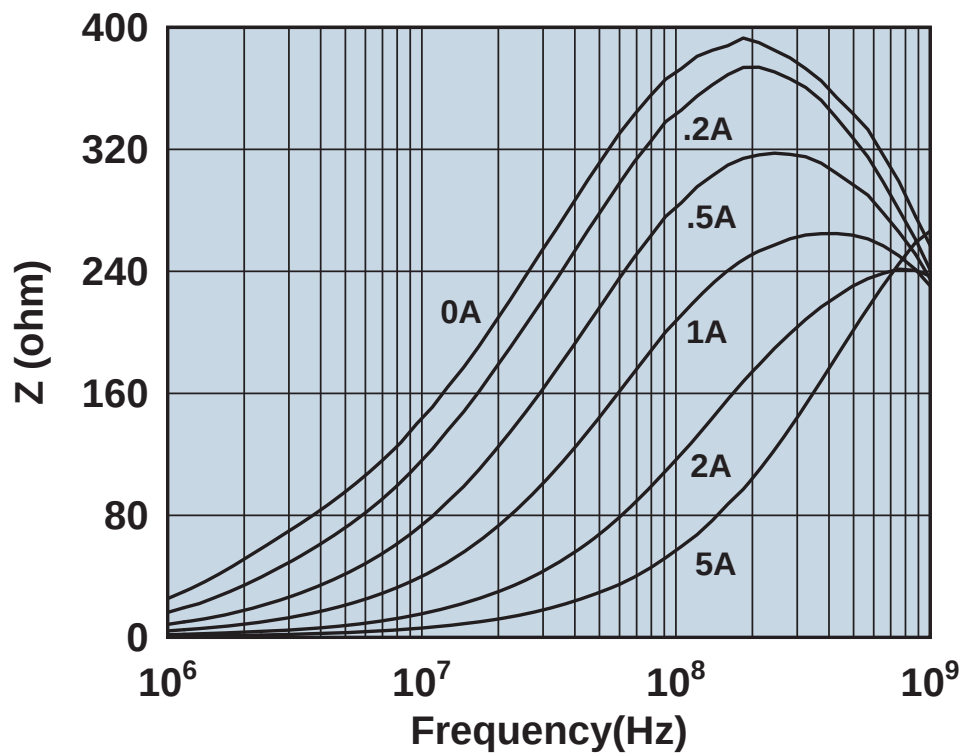


Impedance vs. frequency with dc bias.

2744555567

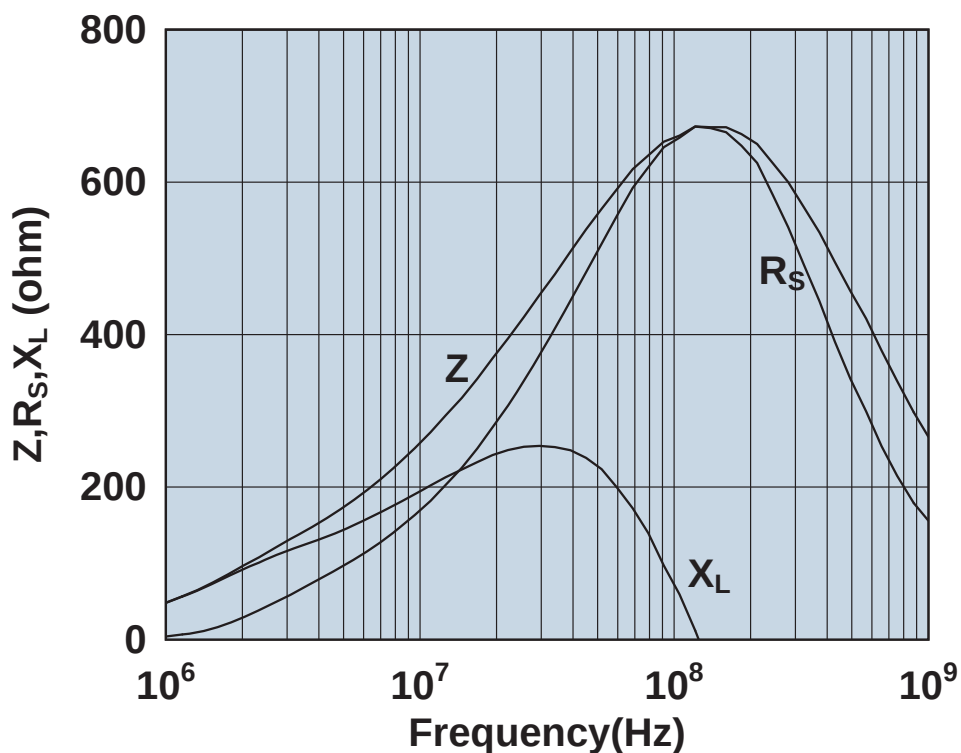


Impedance, reactance, and resistance vs. frequency.



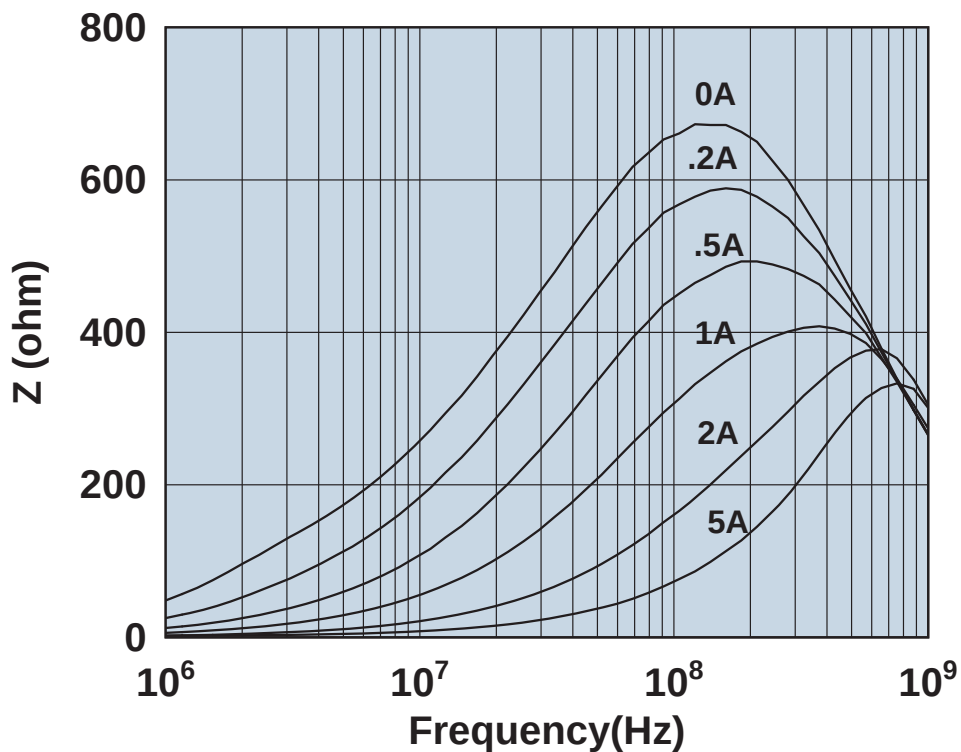
Impedance vs. frequency with dc bias.

274455577



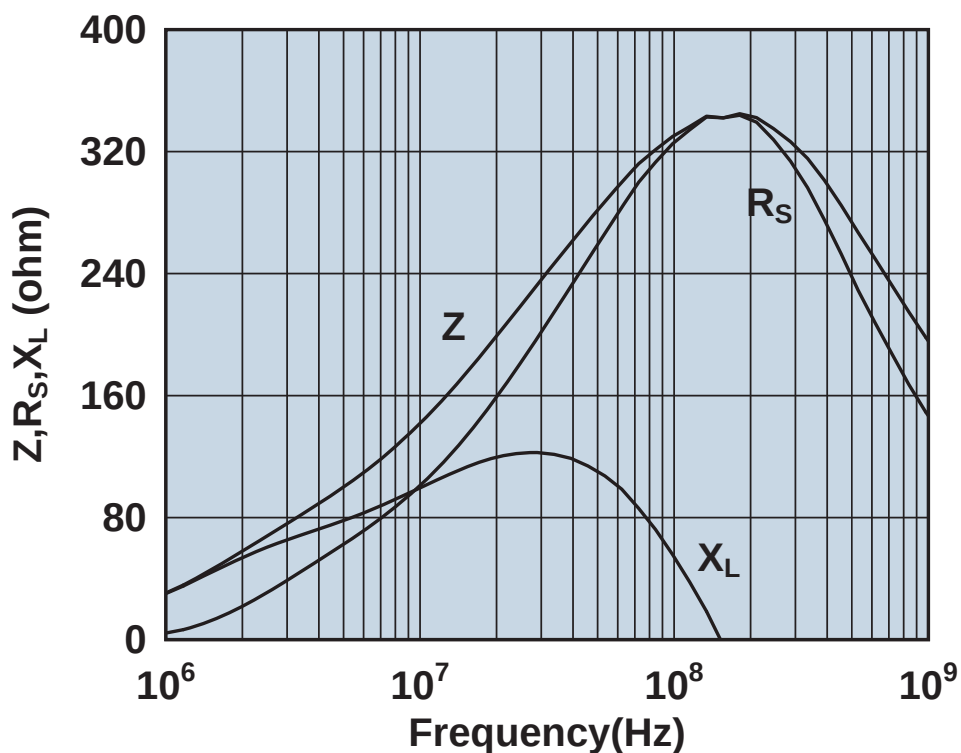
Impedance, reactance, and resistance vs. frequency.

274455577

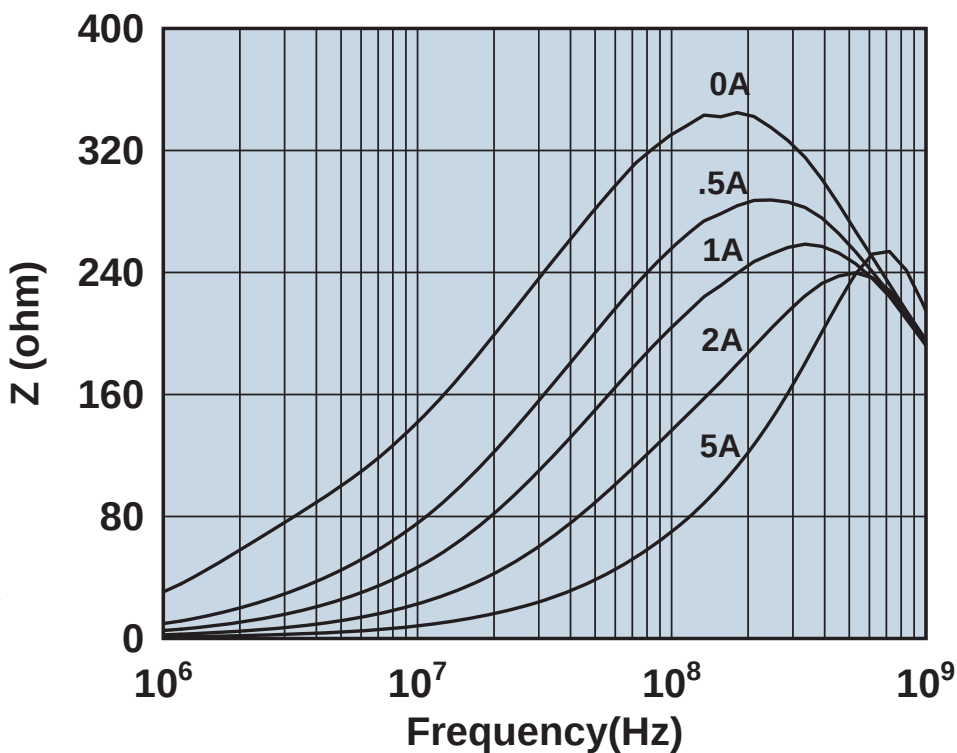


Impedance vs. frequency with dc bias.

2744770347

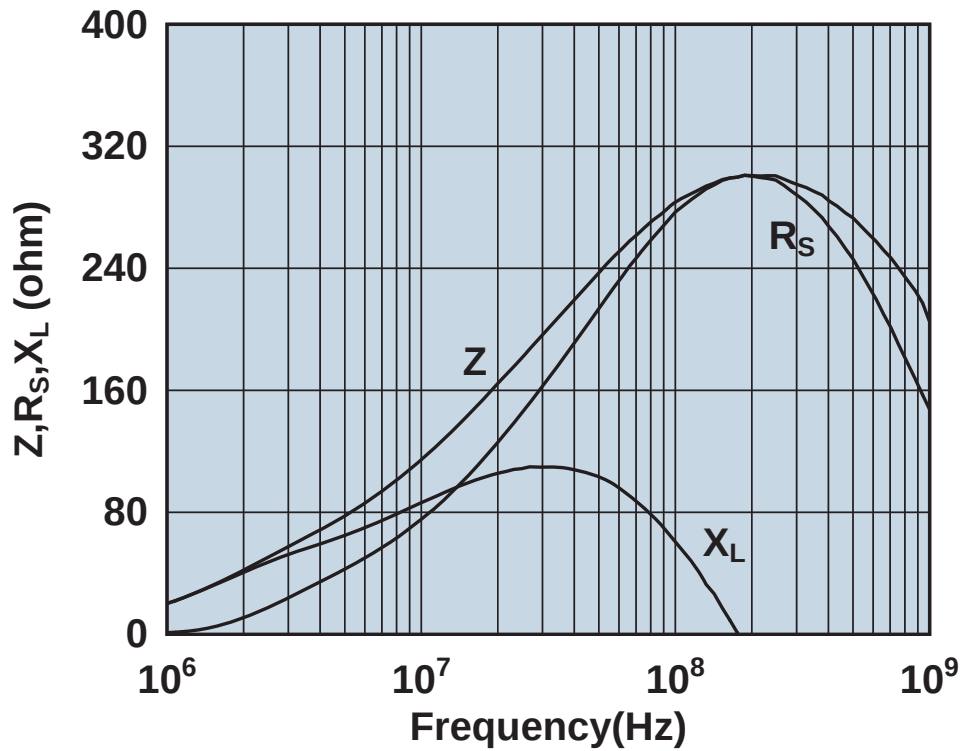


Impedance, reactance, and resistance vs. frequency.

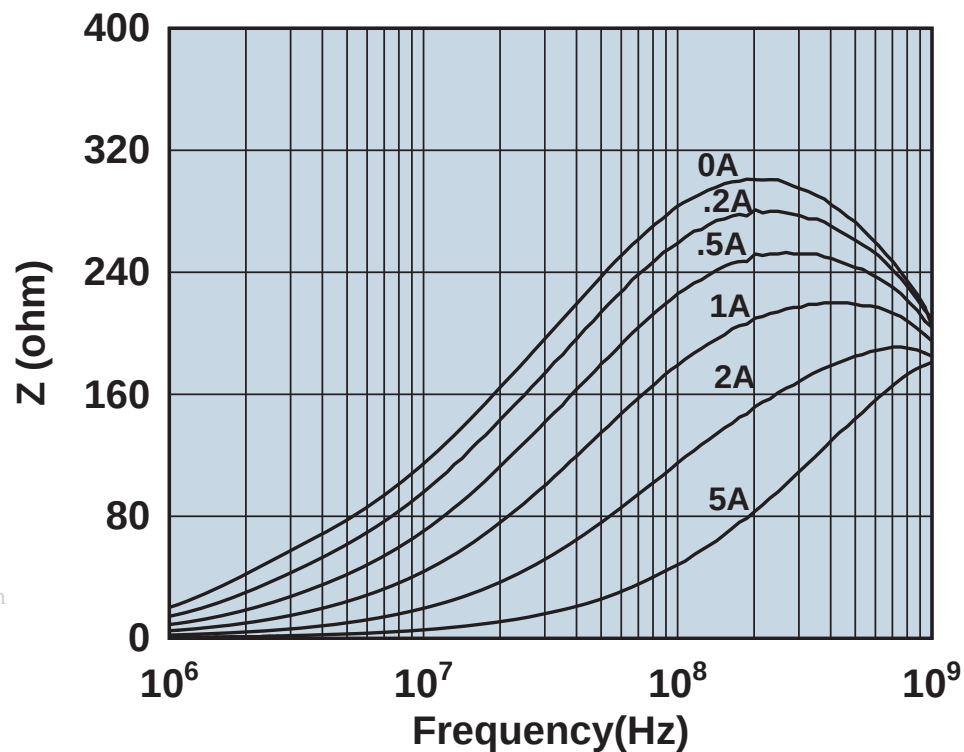


Impedance vs. frequency with dc bias.

2744776147

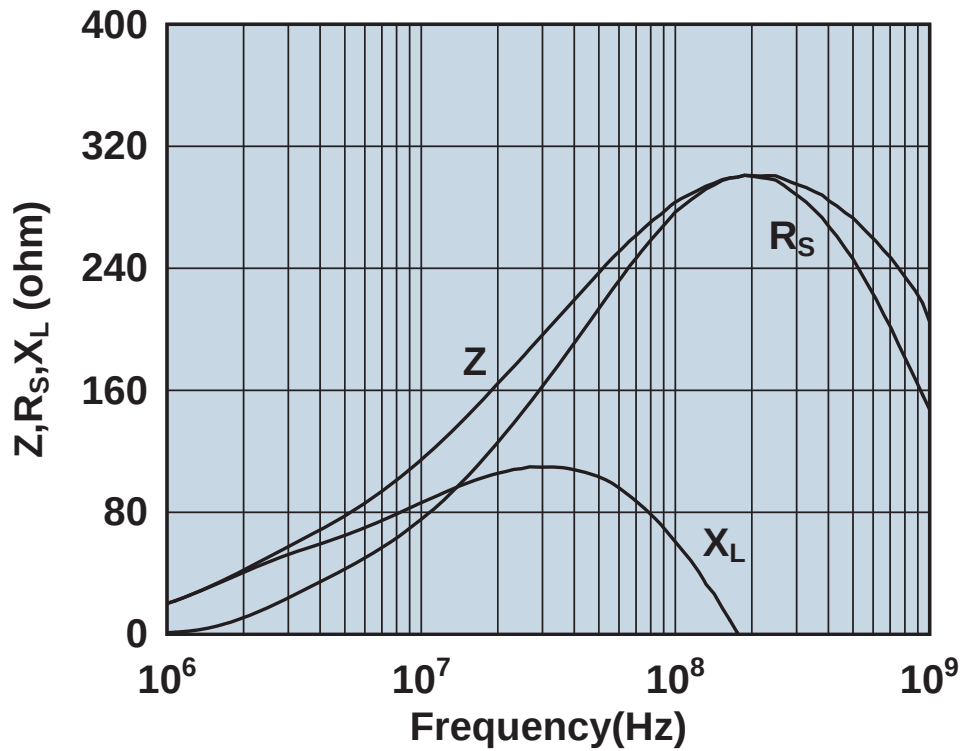


Impedance, reactance, and resistance vs. frequency.

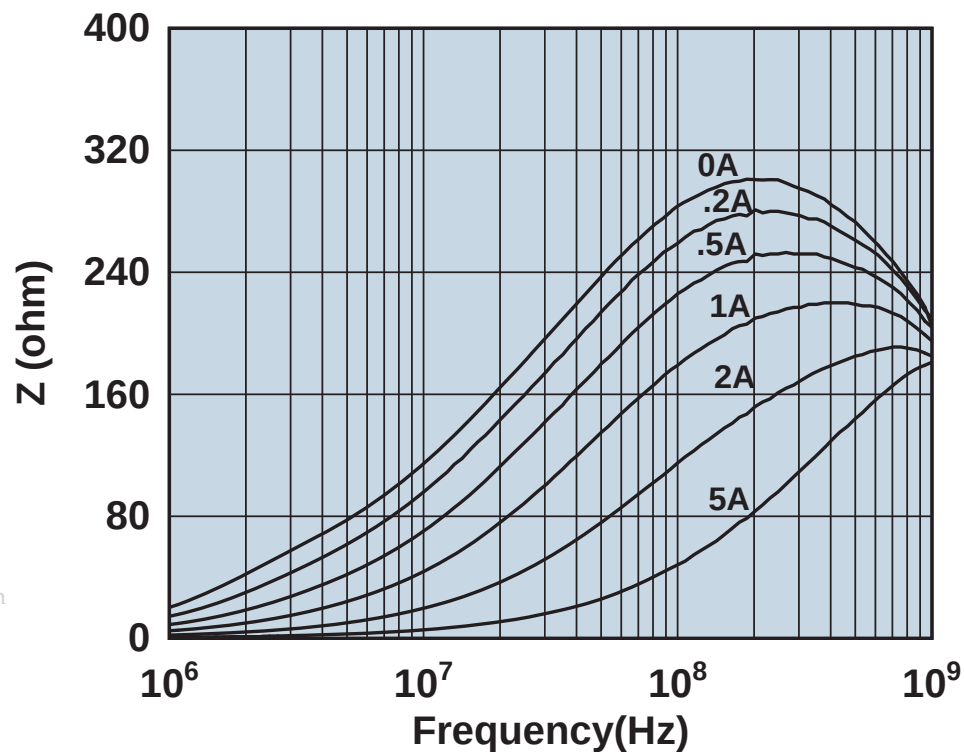


Impedance vs. frequency with dc bias.

2744778147

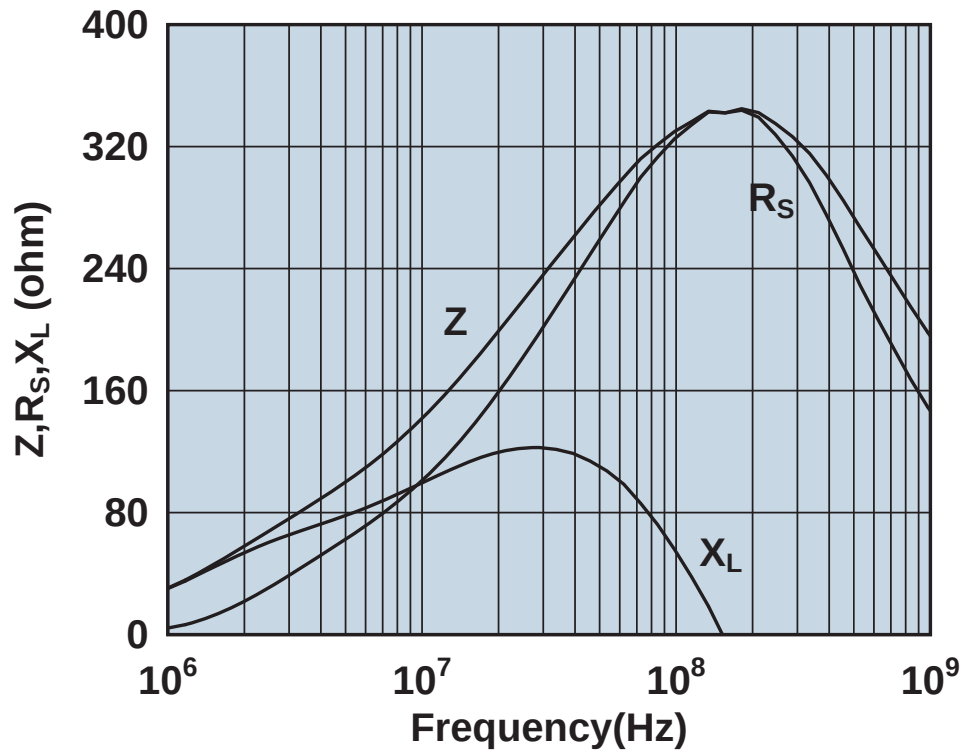


Impedance, reactance, and resistance vs. frequency.

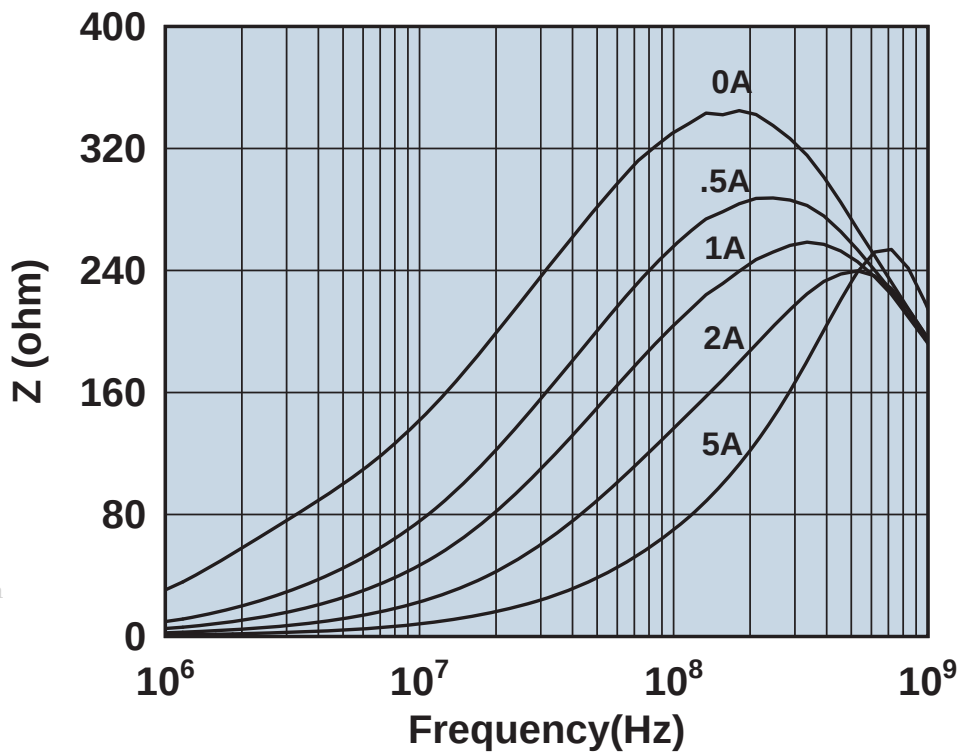


Impedance vs. frequency with dc bias.

2744778347



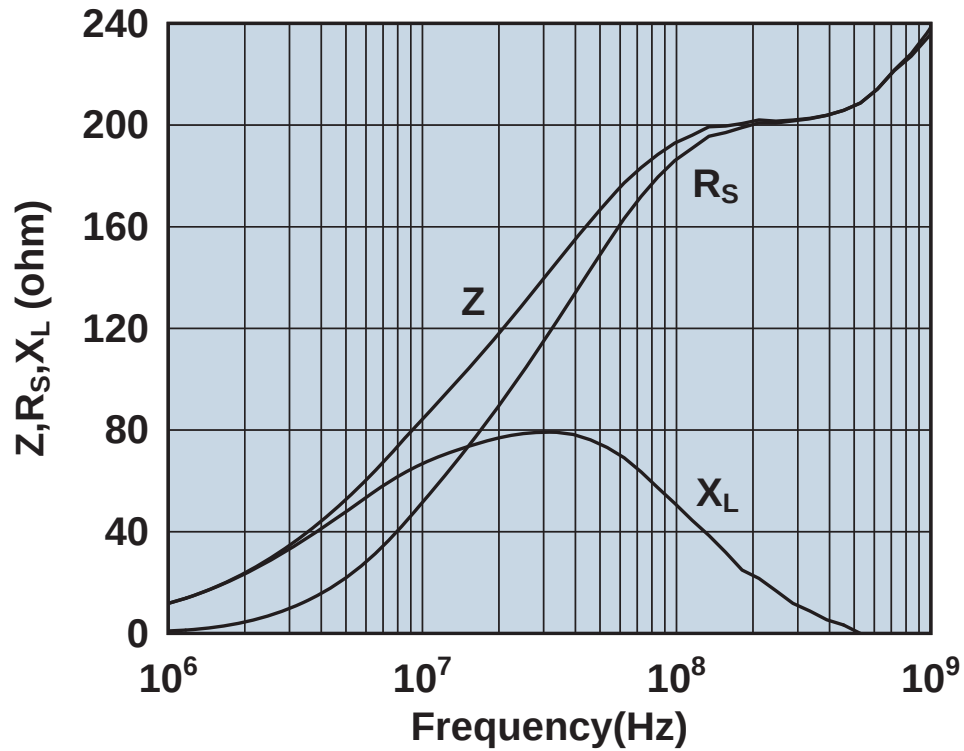
Impedance, reactance, and resistance vs. frequency.



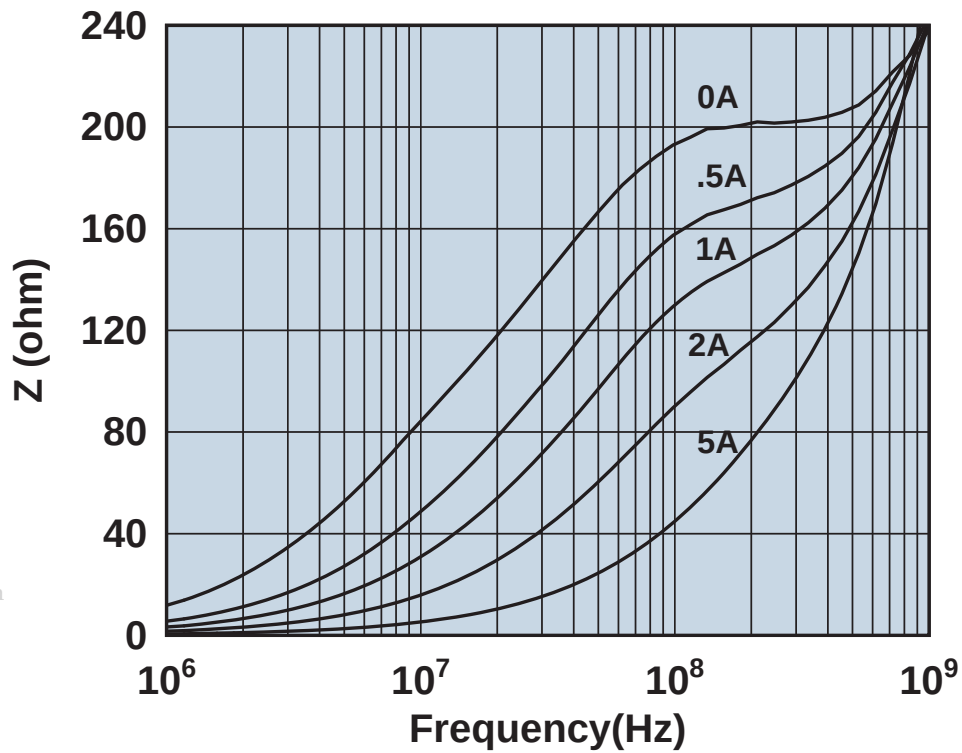
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Impedance vs. frequency with dc bias.

2744780347

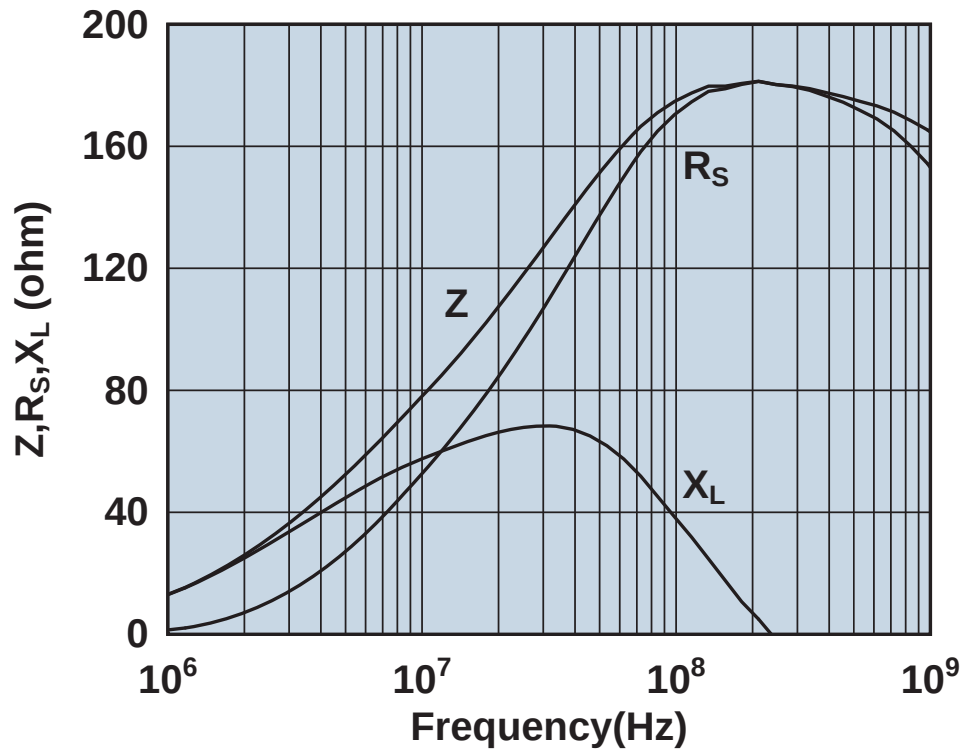


Impedance, reactance, and resistance vs. frequency.

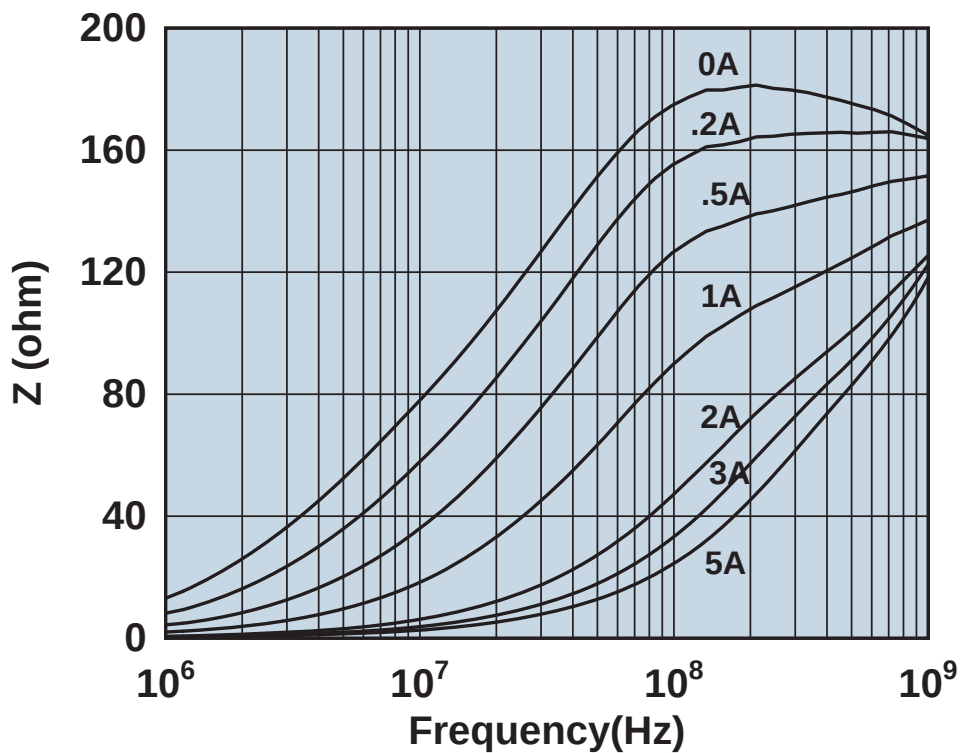


Impedance vs. frequency with dc bias.

2744786147

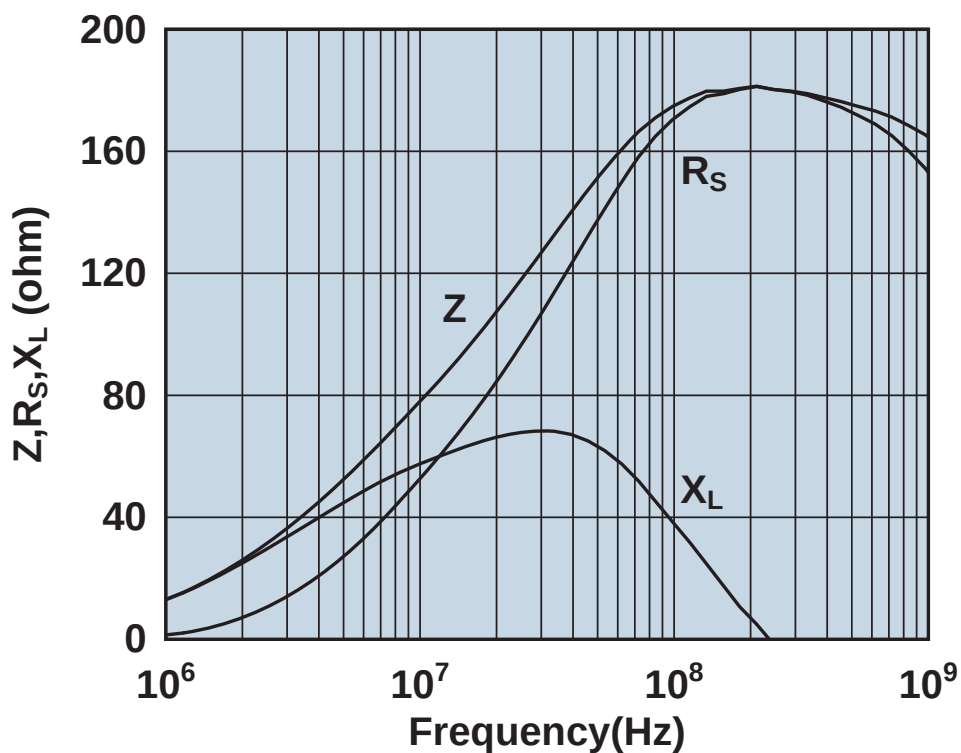


Impedance, reactance, and resistance vs. frequency.

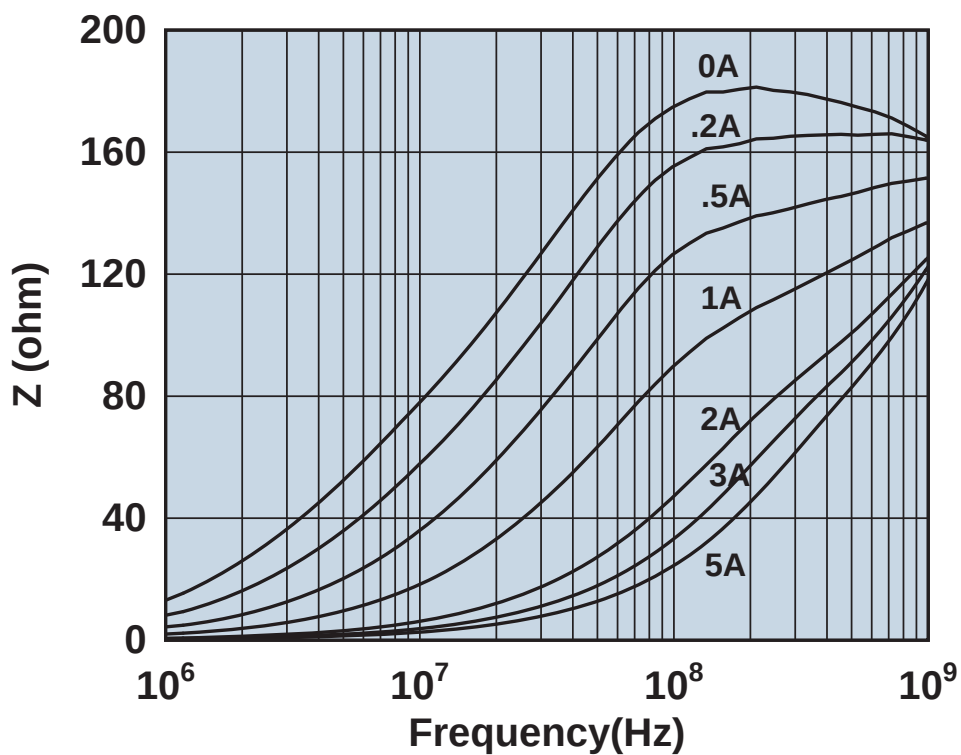


Impedance vs. frequency with dc bias.

2744788147

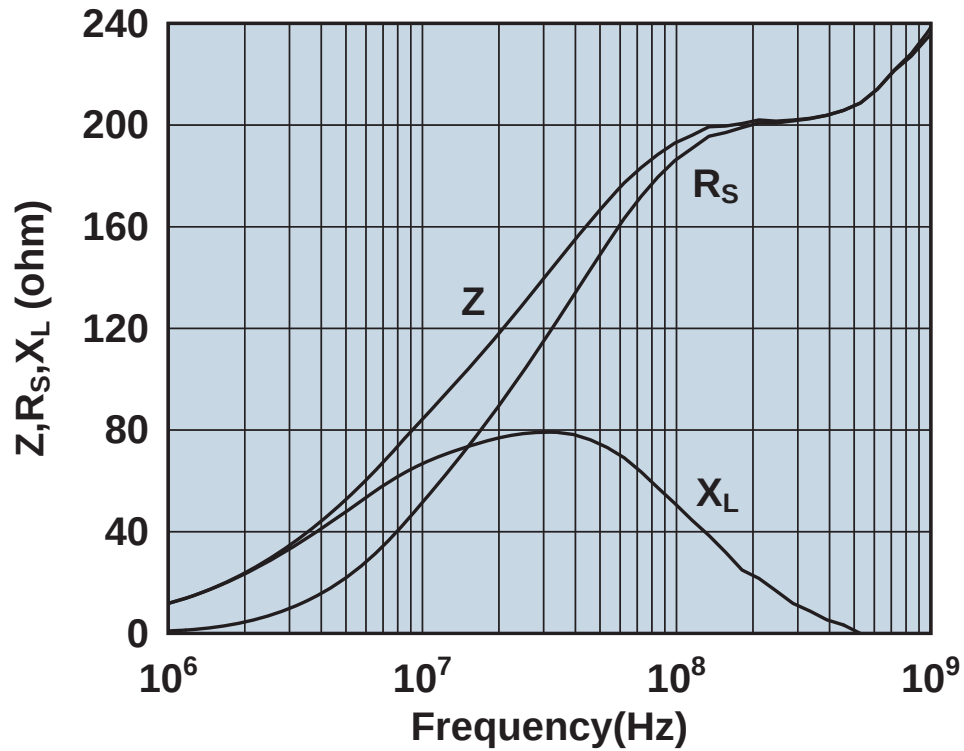


Impedance, reactance, and resistance vs. frequency.

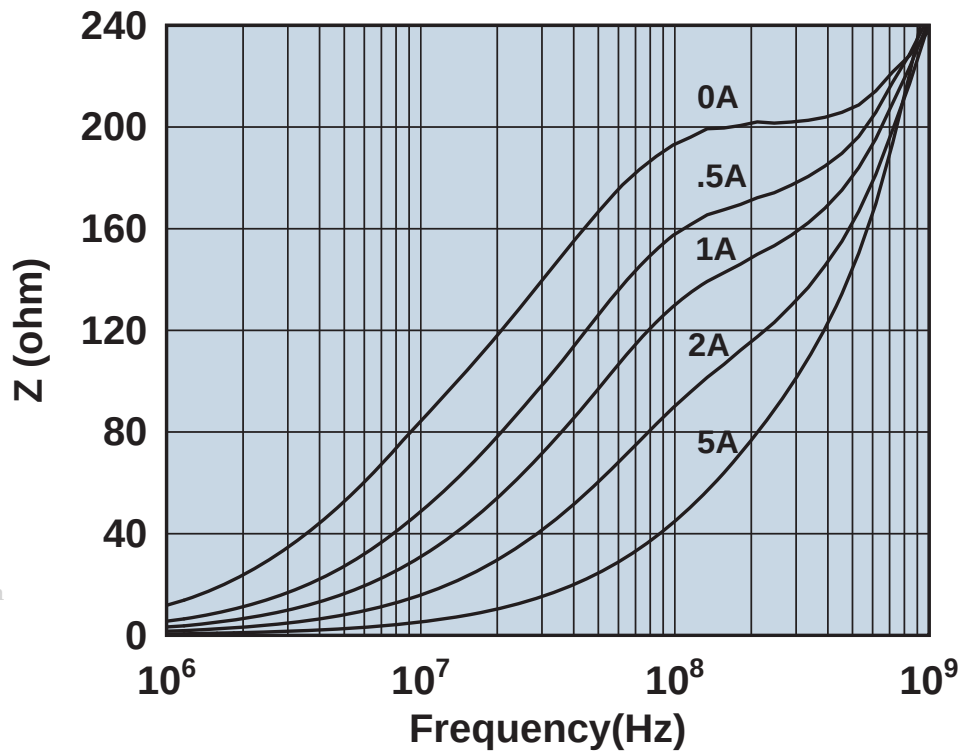


Impedance vs. frequency with dc bias.

2744788347

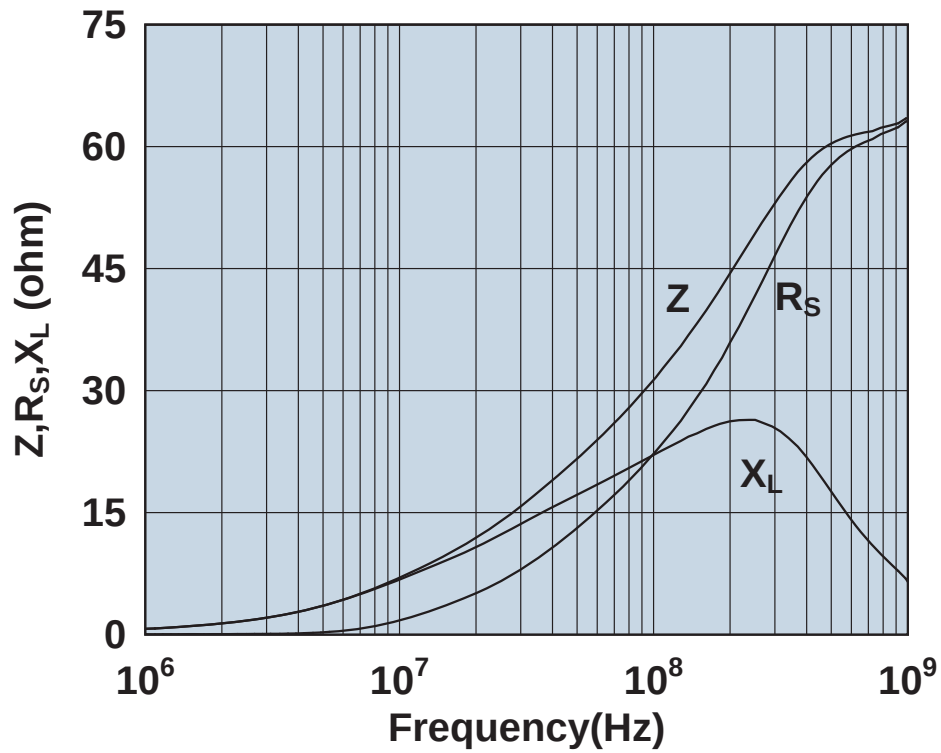


Impedance, reactance, and resistance vs. frequency.

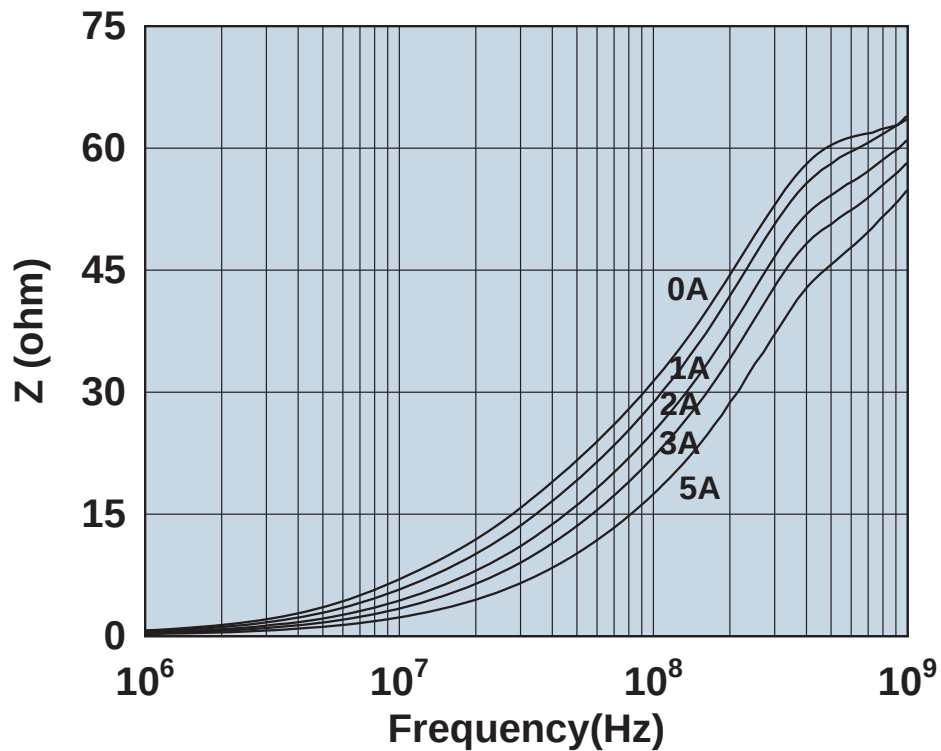


Impedance vs. frequency with dc bias.

2752041447

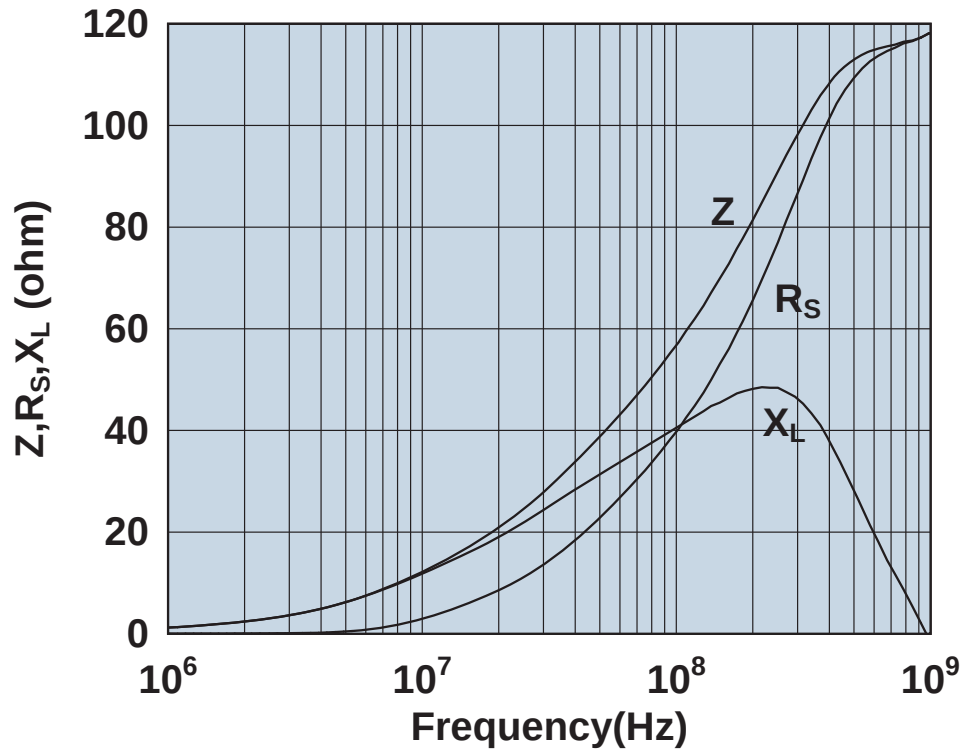


Impedance, reactance, and resistance vs. frequency.

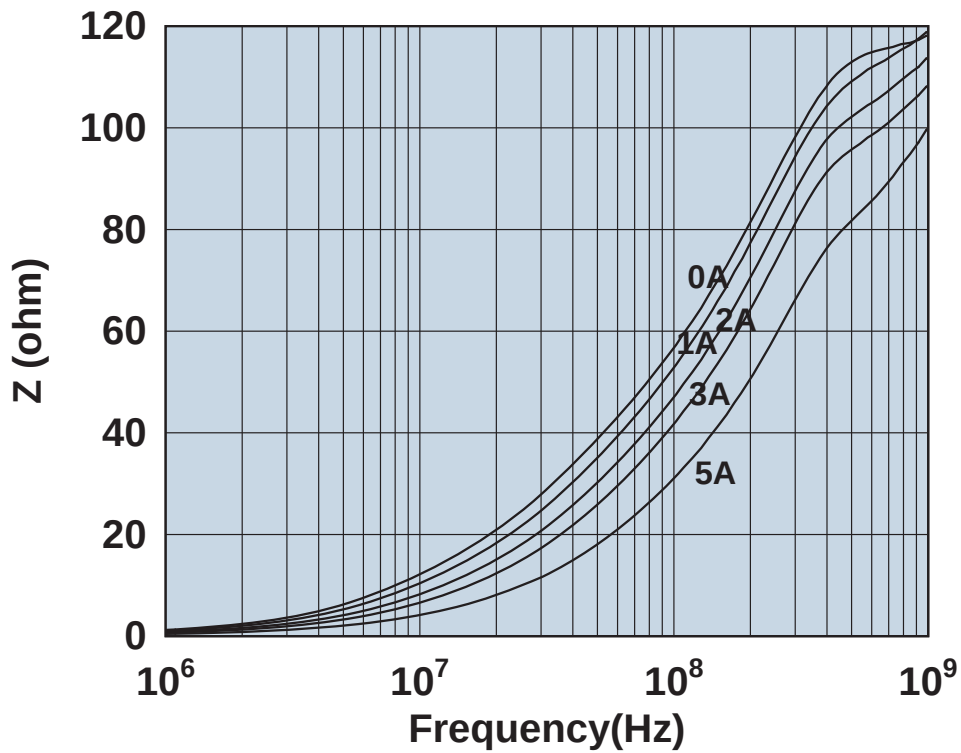


Impedance vs. frequency with dc bias.

2752045447



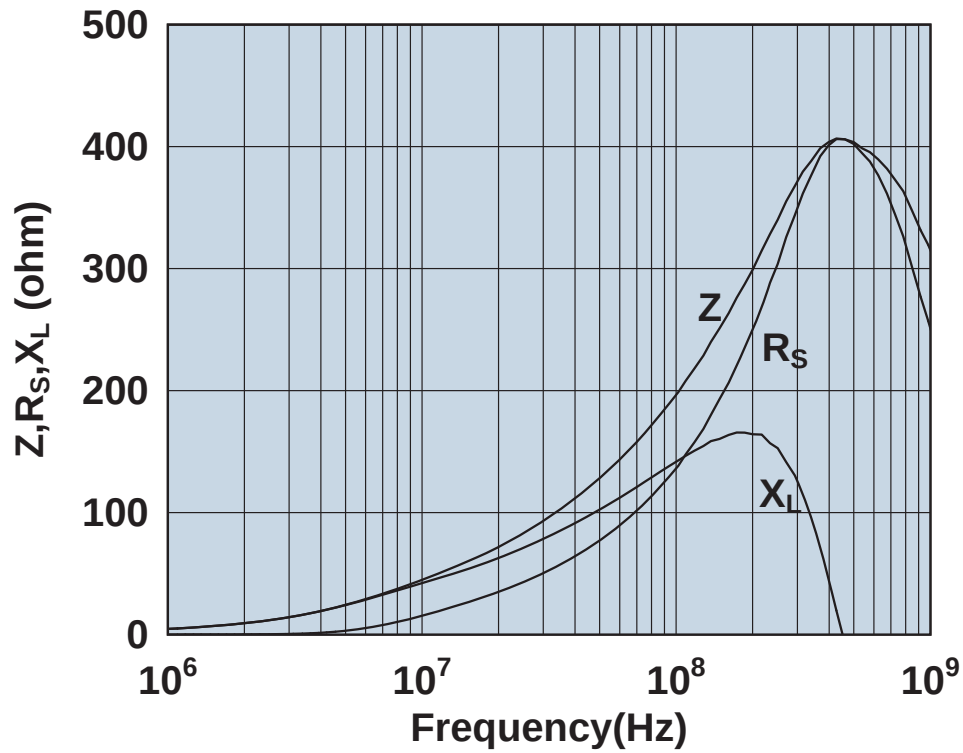
Impedance, reactance, and resistance vs. frequency.



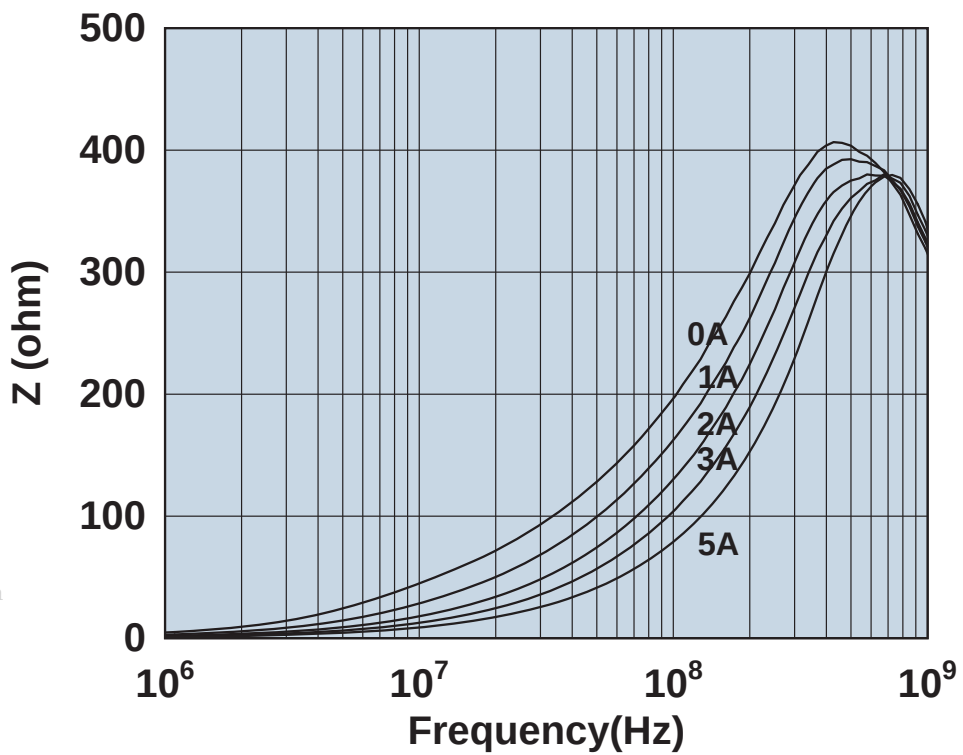
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Impedance vs. frequency with dc bias.

2752051447



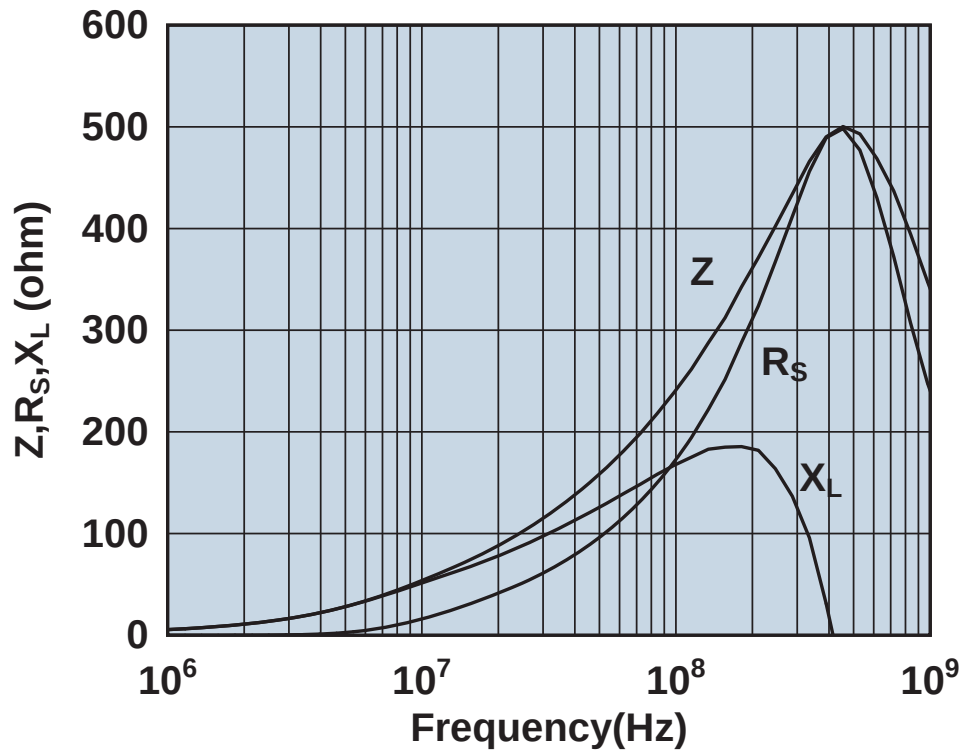
Impedance, reactance, and resistance vs. frequency.



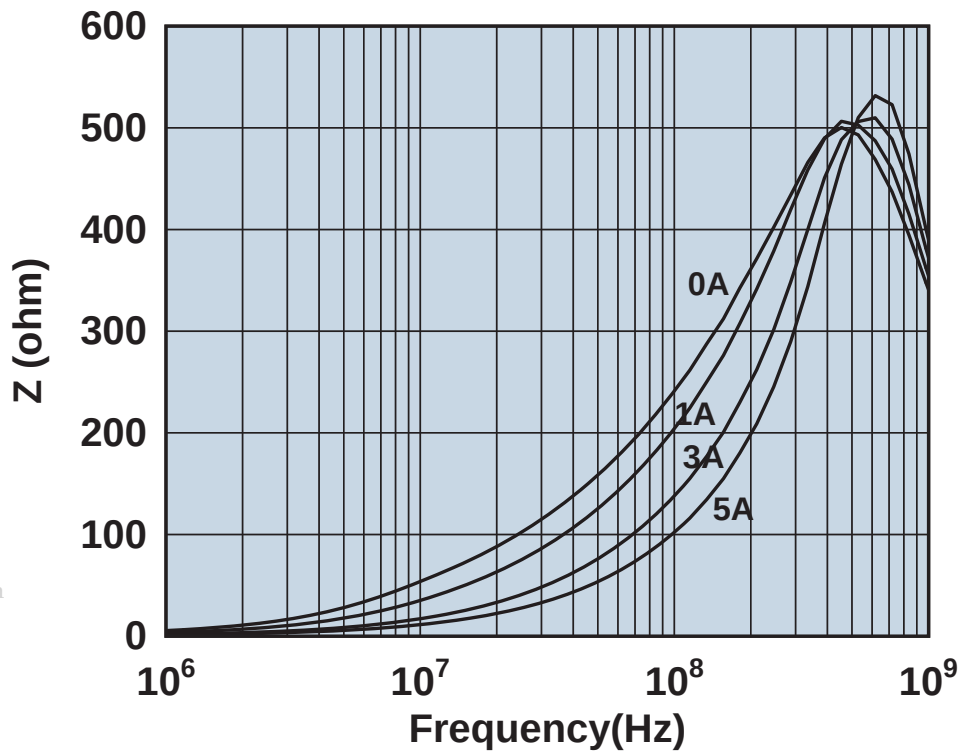
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Impedance vs. frequency with dc bias.

2752065447

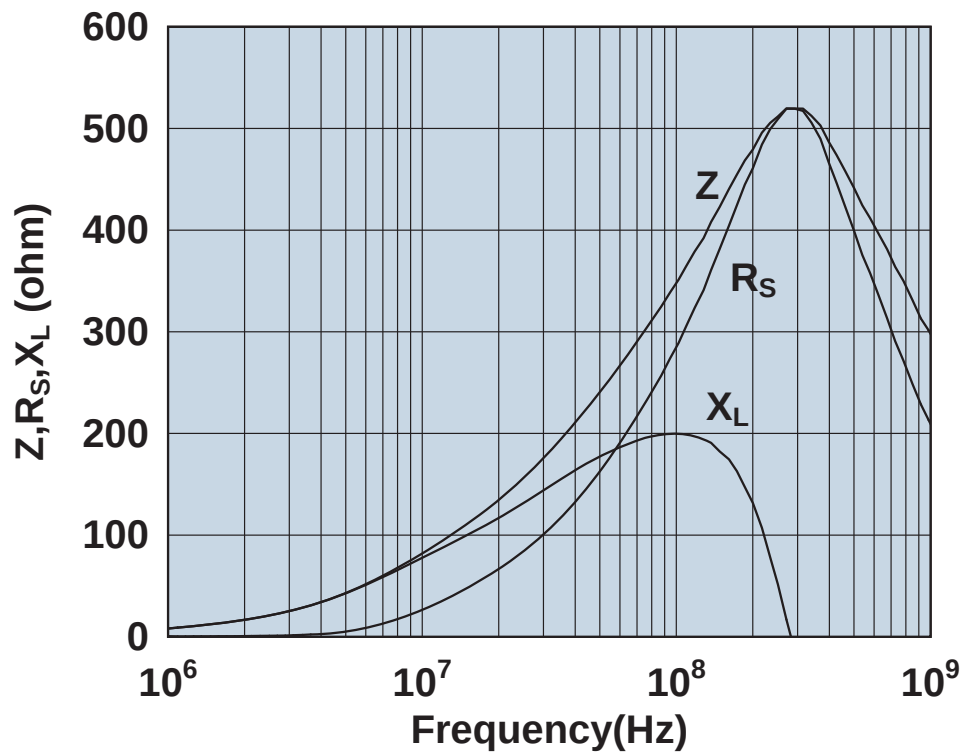


Impedance, reactance, and resistance vs. frequency.

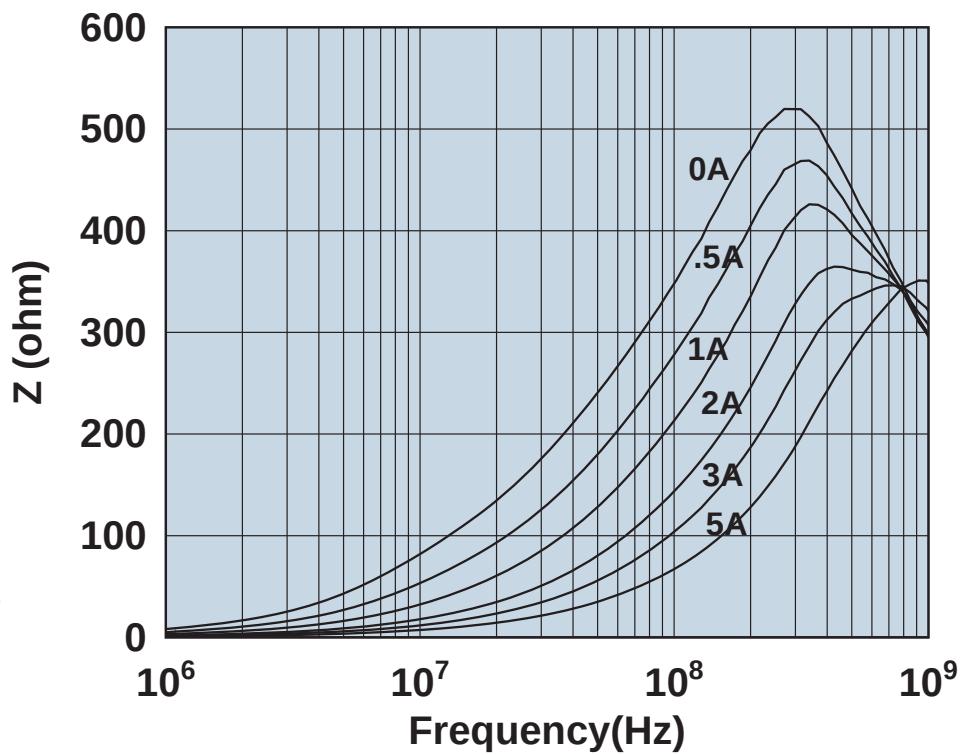


Impedance vs. frequency with dc bias.

2752555567



Impedance, reactance, and resistance vs. frequency.

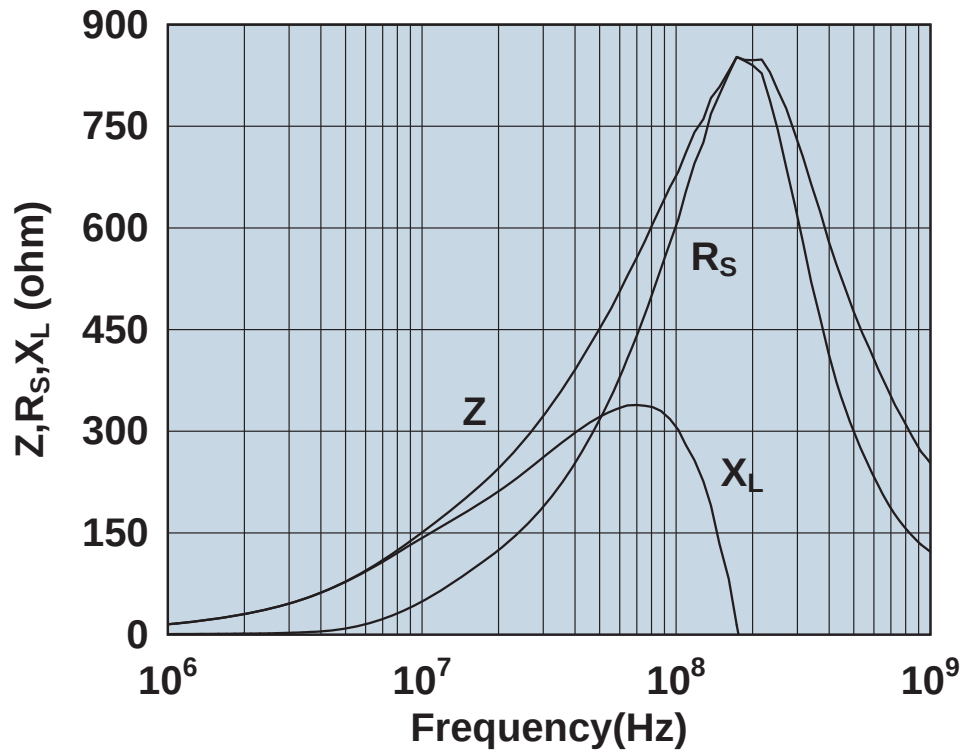


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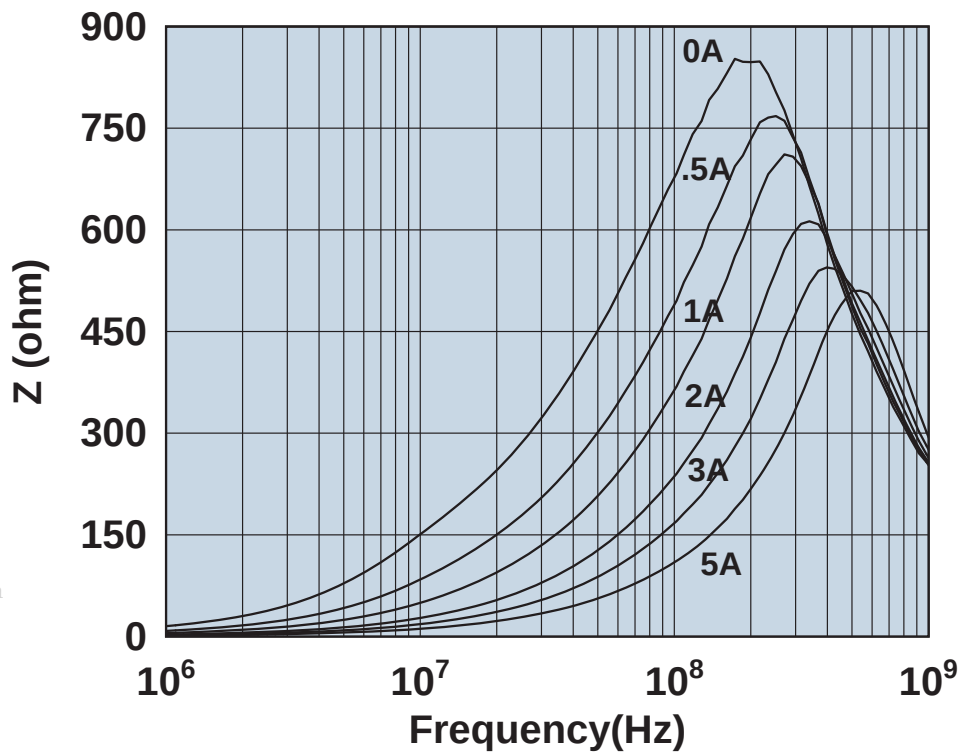
Impedance vs. frequency with dc bias.

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275255577



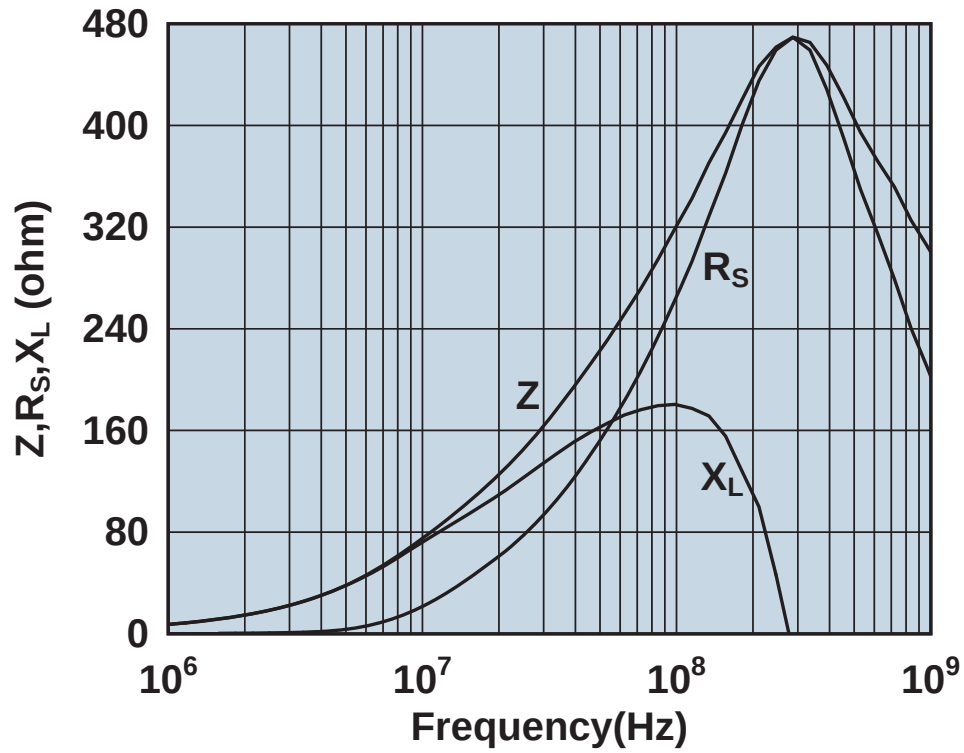
Impedance, reactance, and resistance vs. frequency.



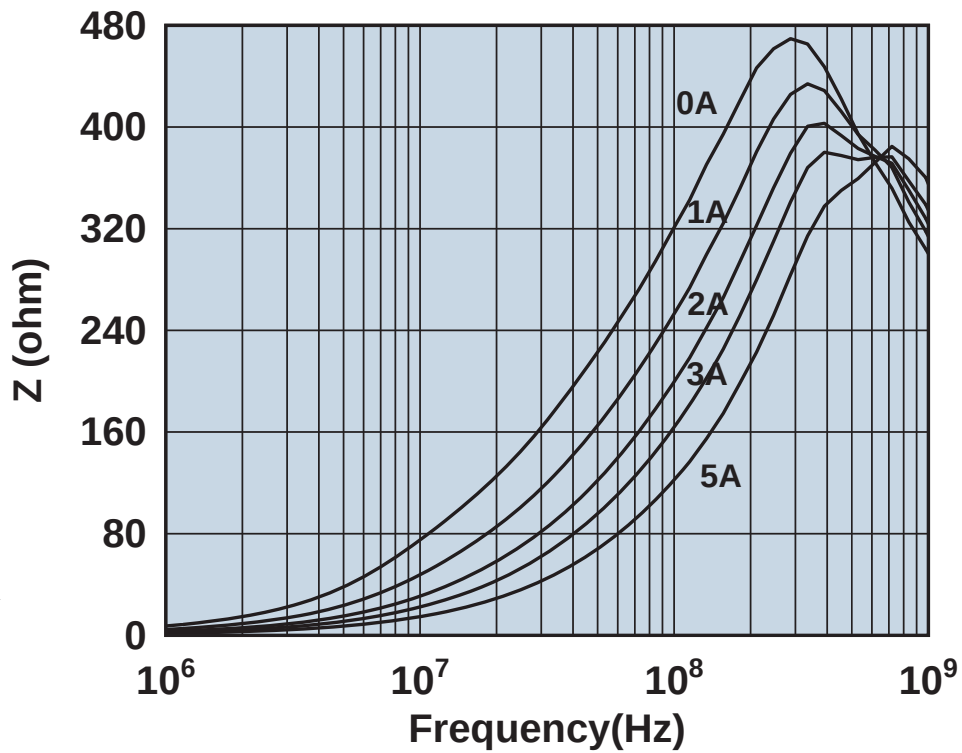
www.DataSheet4U.com

Impedance vs. frequency with dc bias.

2752770347

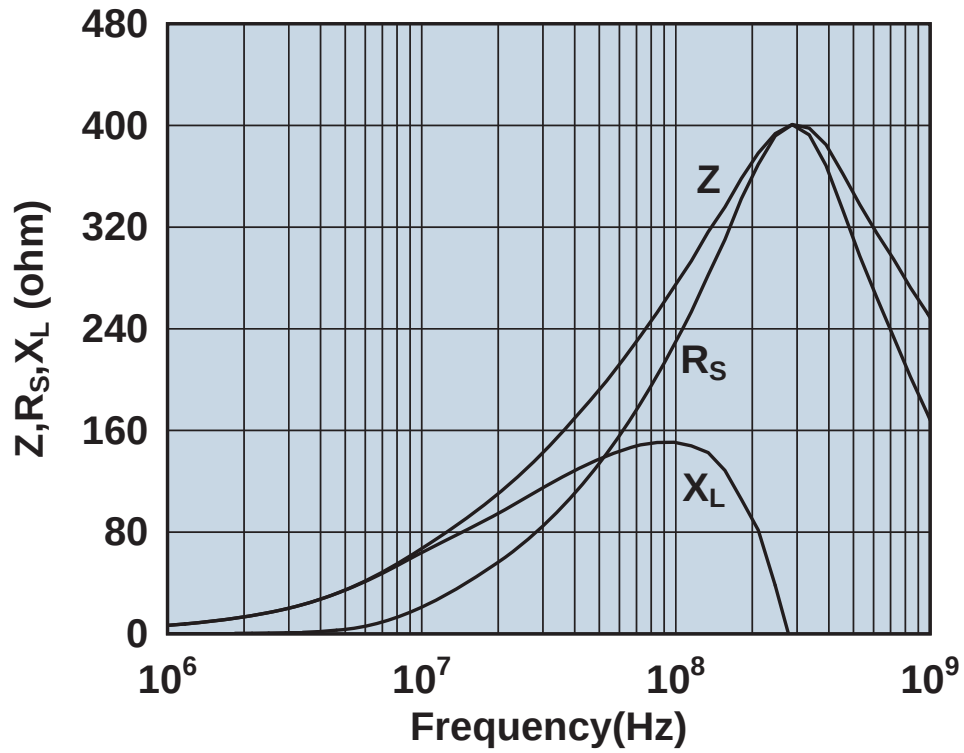


Impedance, reactance, and resistance vs. frequency.

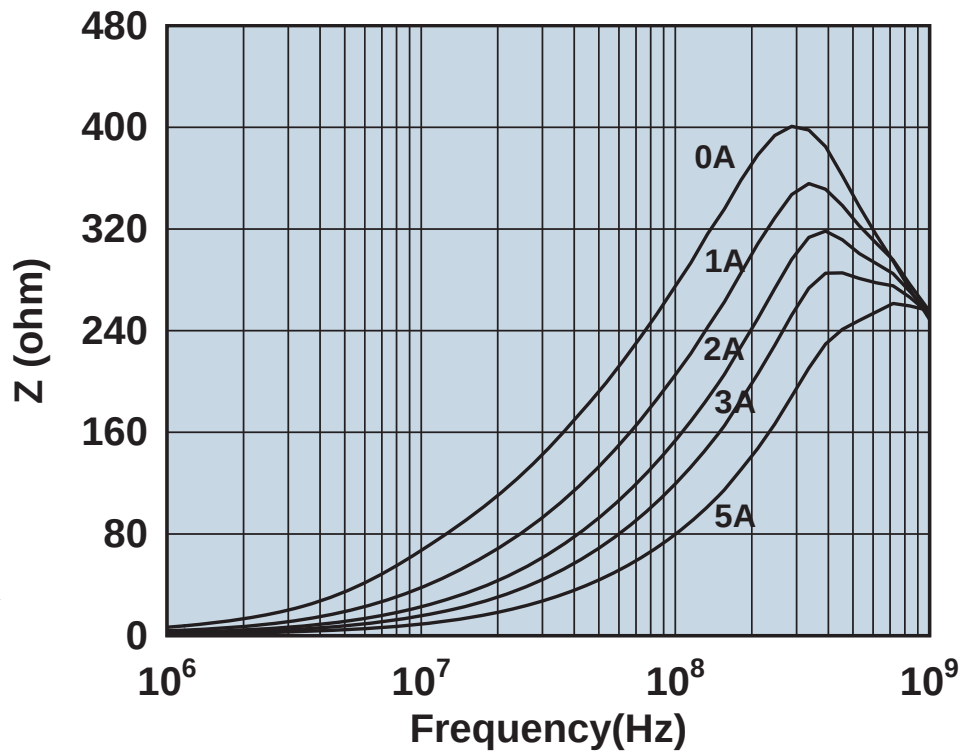


Impedance vs. frequency with dc bias.

2752776147

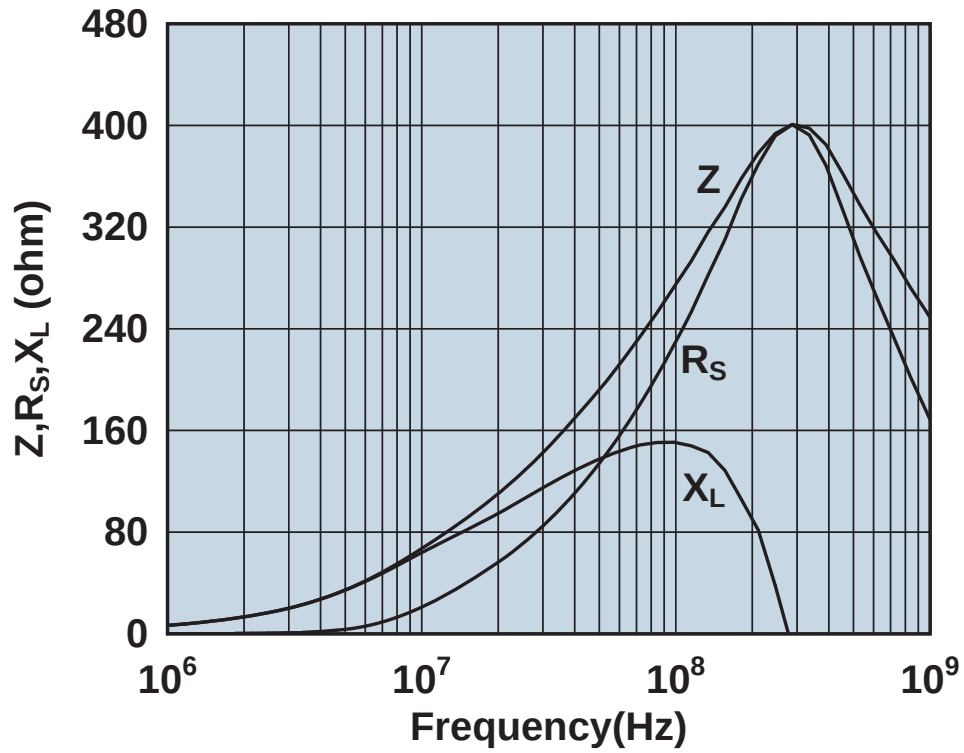


Impedance, reactance, and resistance vs. frequency.

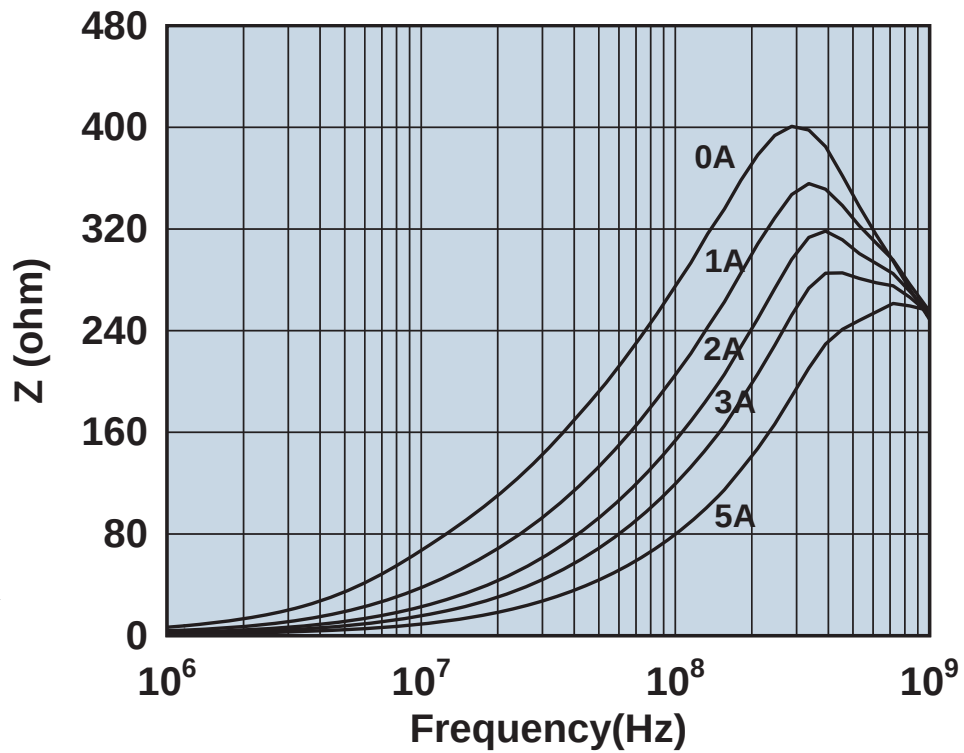


Impedance vs. frequency with dc bias.

2752778147

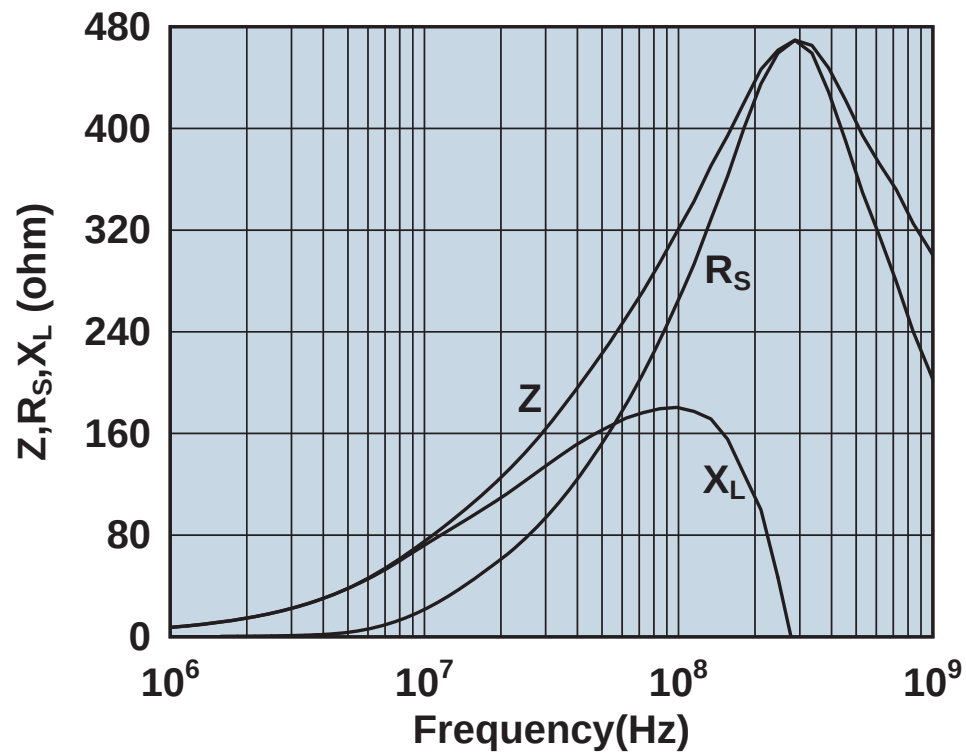


Impedance, reactance, and resistance vs. frequency.

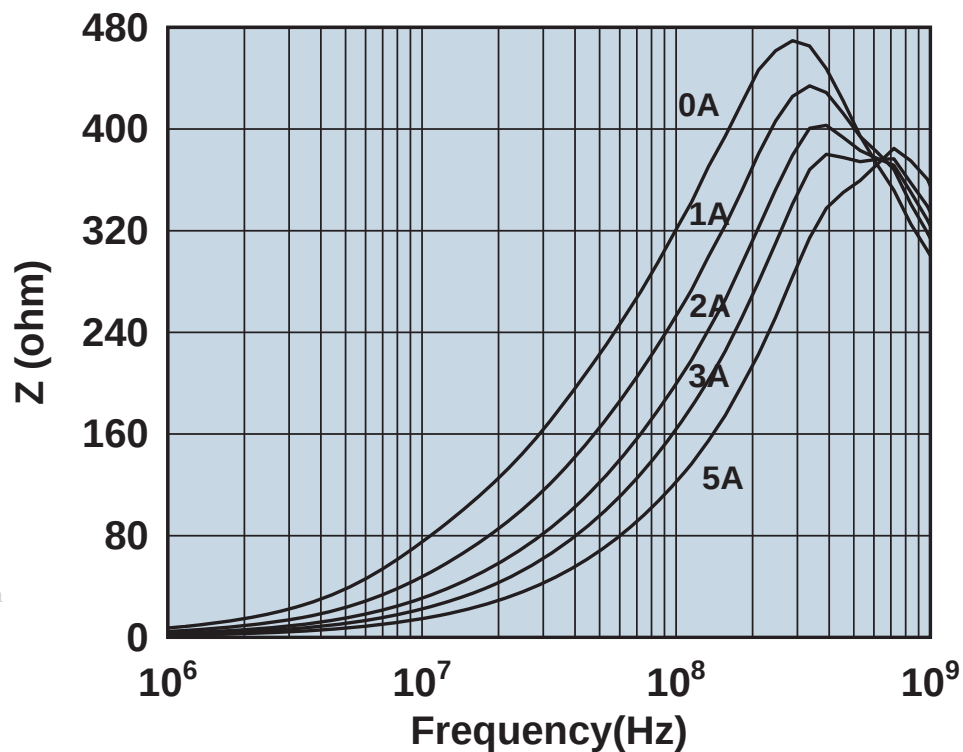


Impedance vs. frequency with dc bias.

2752778347

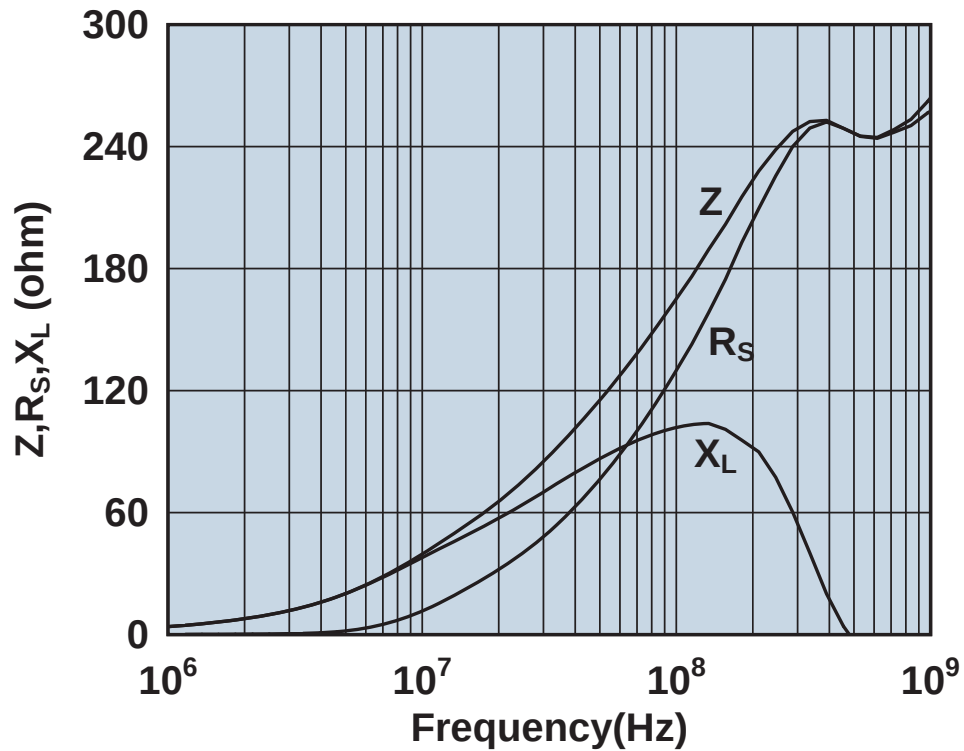


Impedance, reactance, and resistance vs. frequency.

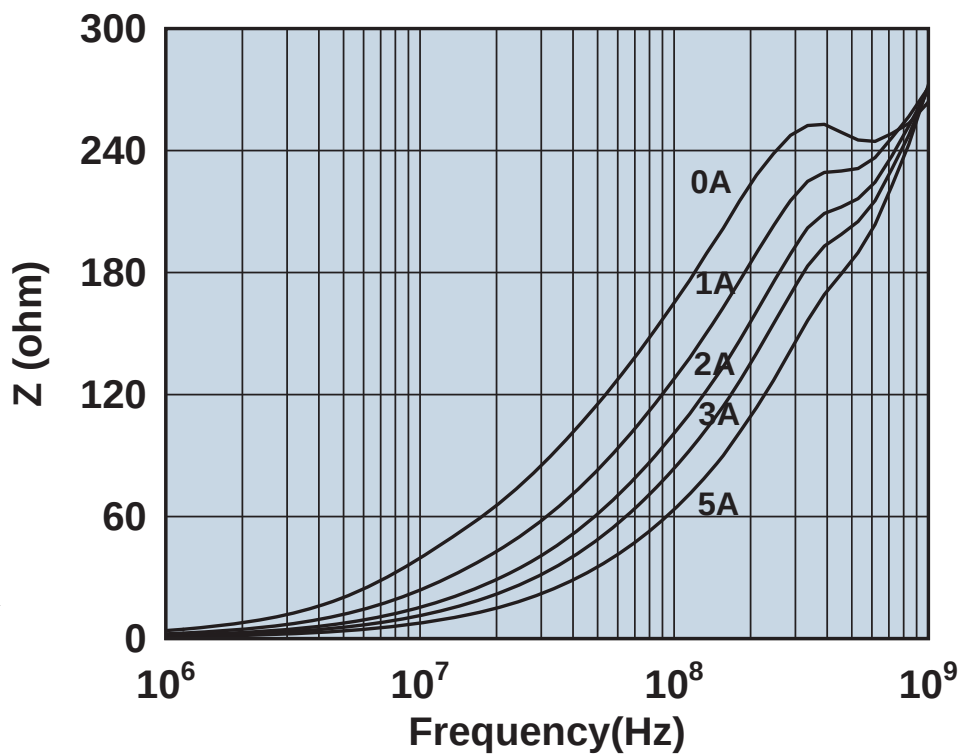


Impedance vs. frequency with dc bias.

2752780347

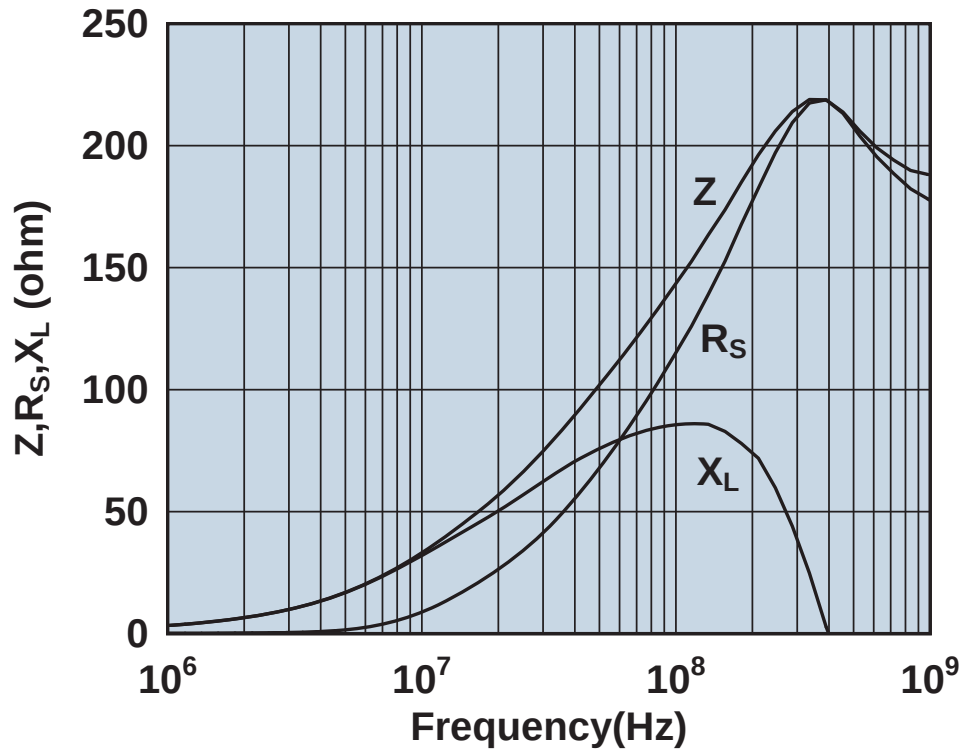


Impedance, reactance, and resistance vs. frequency.

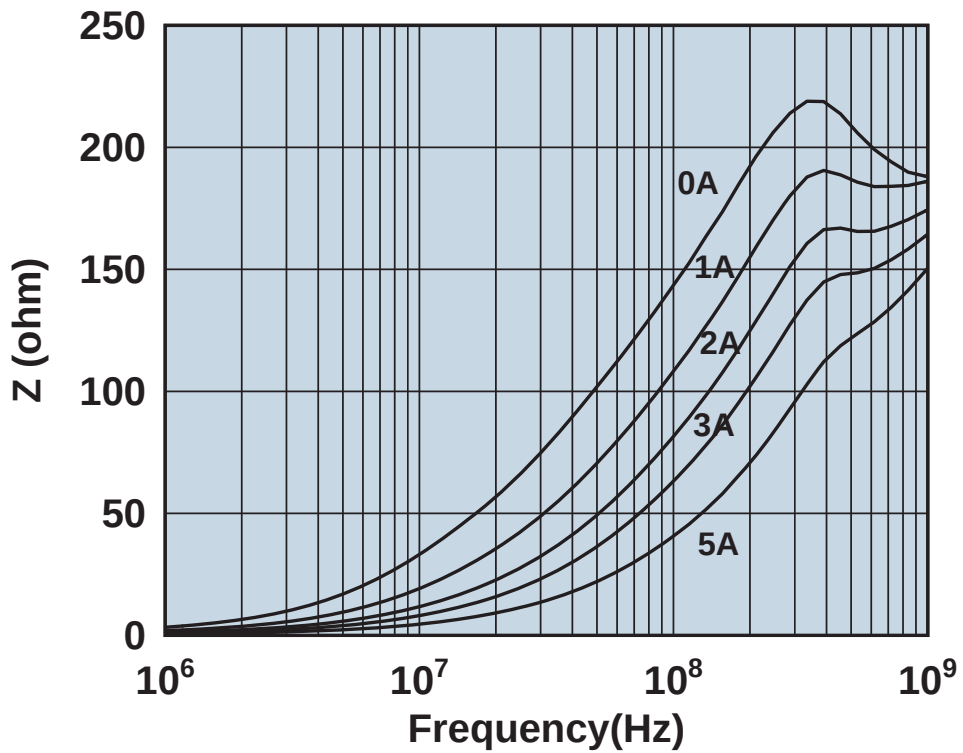


Impedance vs. frequency with dc bias.

2752786147

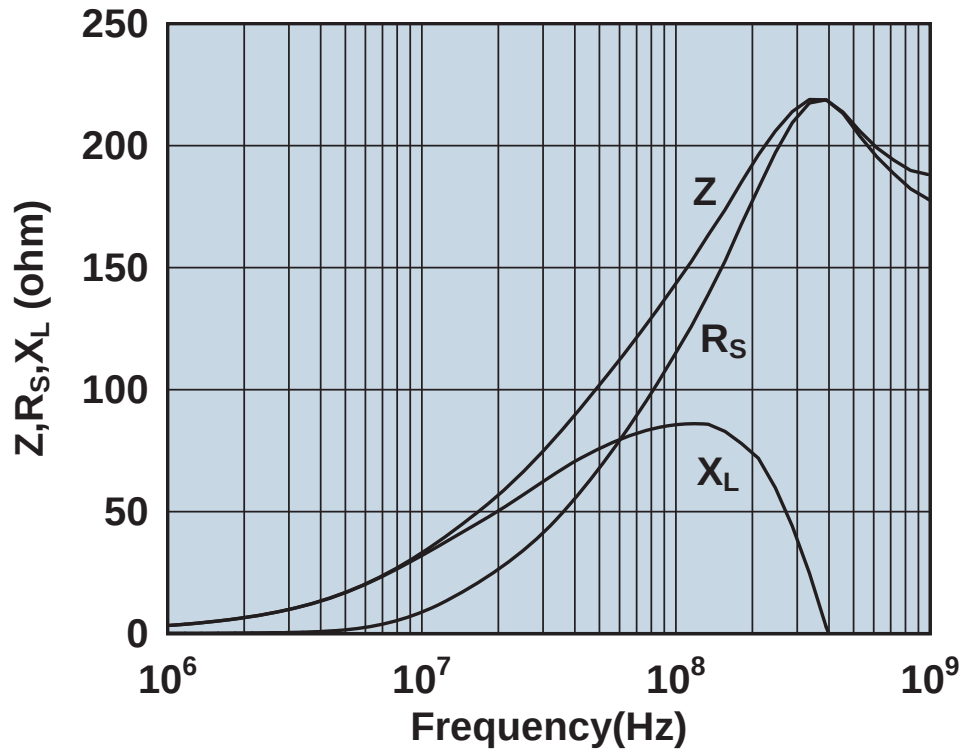


Impedance, reactance, and resistance vs. frequency.

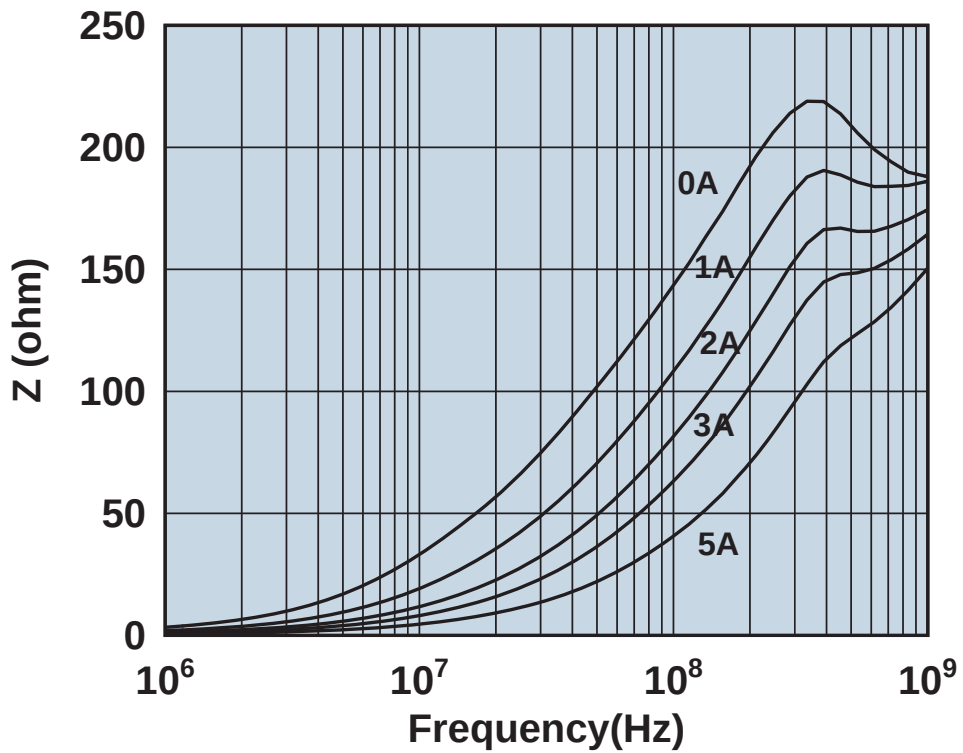


Impedance vs. frequency with dc bias.

2752788147

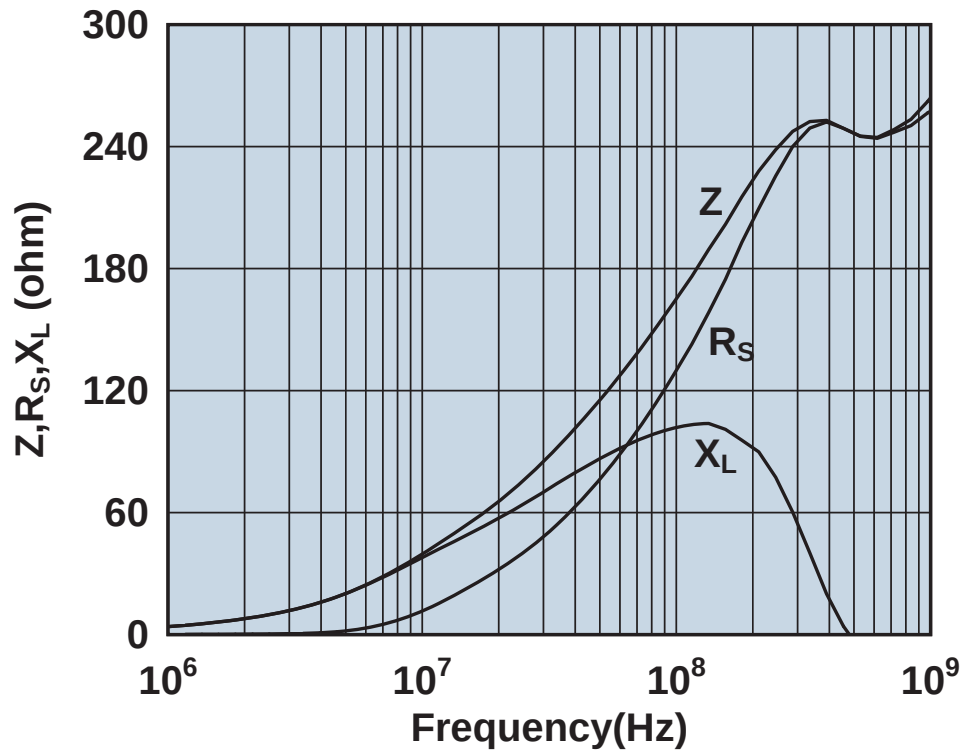


Impedance, reactance, and resistance vs. frequency.

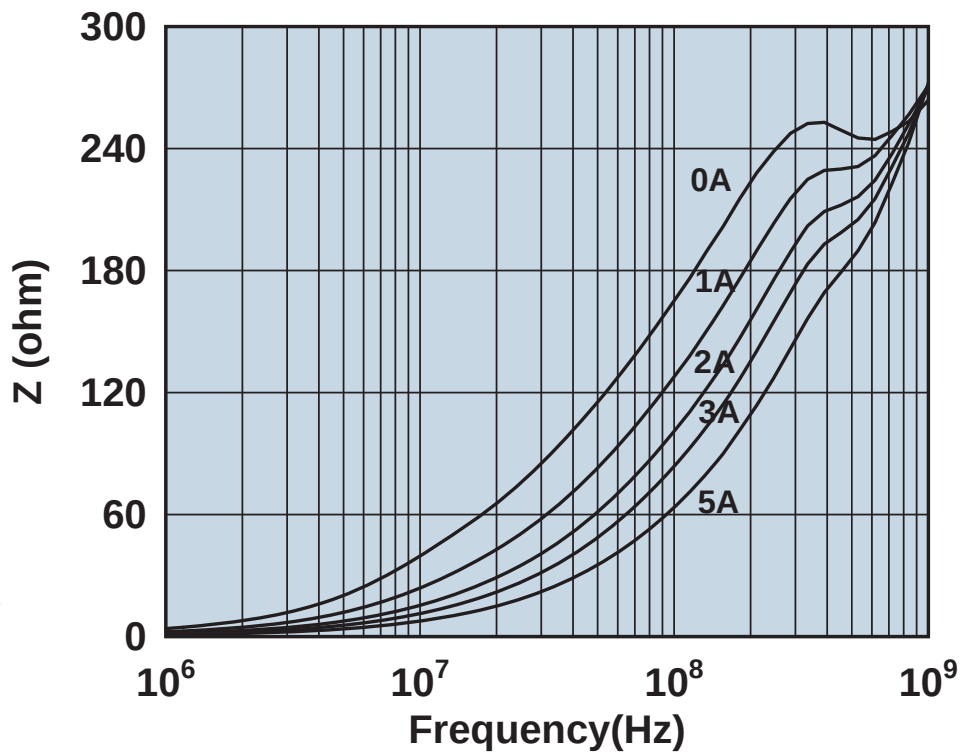


Impedance vs. frequency with dc bias.

2752788347

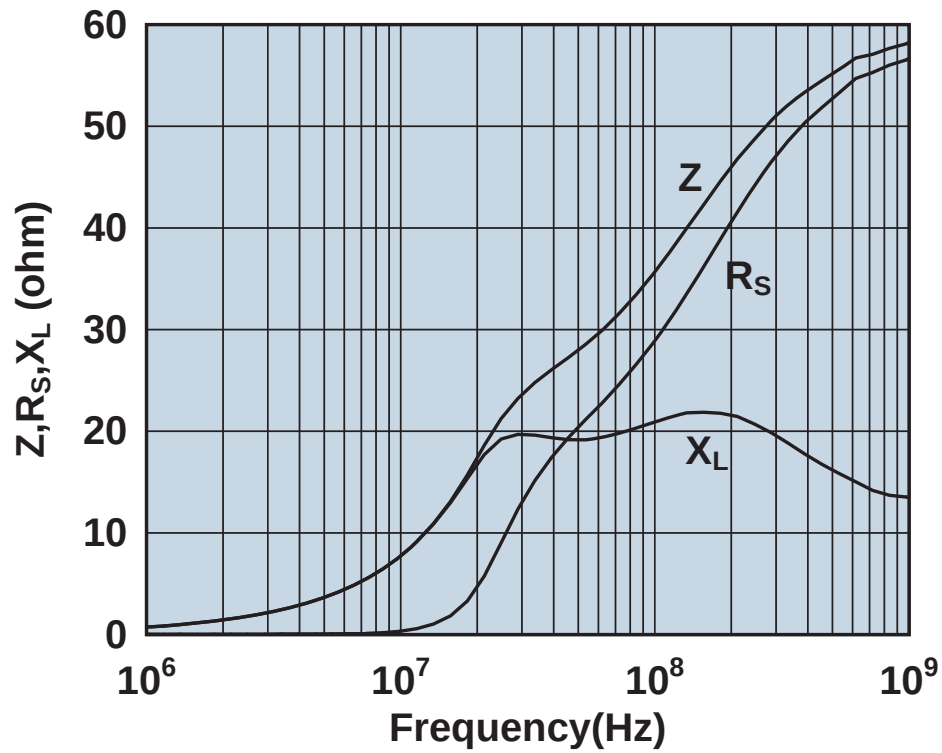


Impedance, reactance, and resistance vs. frequency.

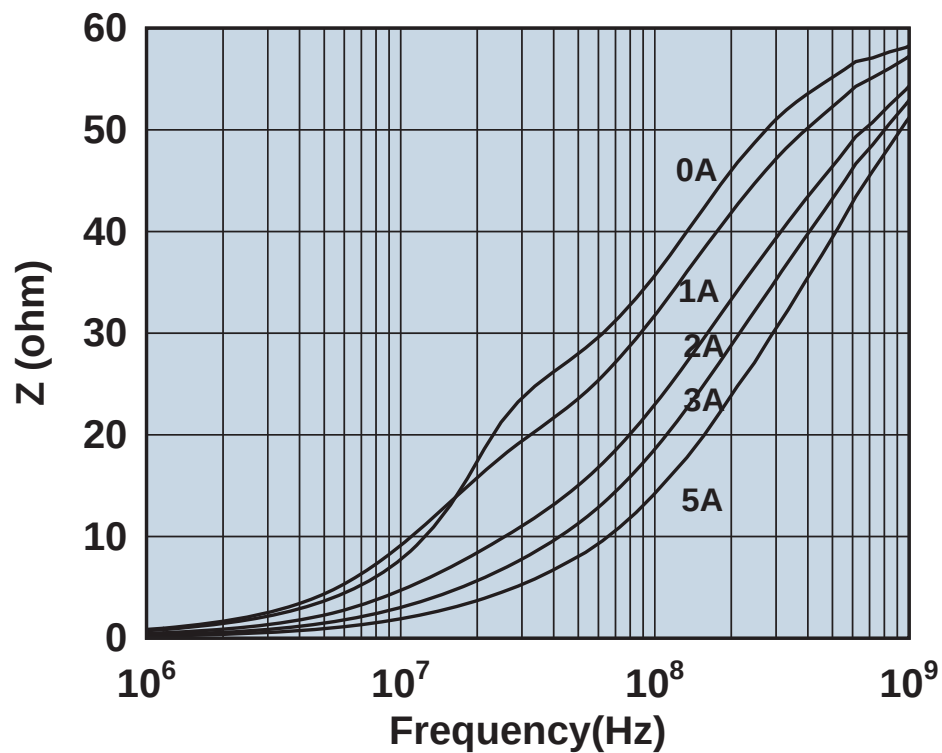


Impedance vs. frequency with dc bias.

2761019447

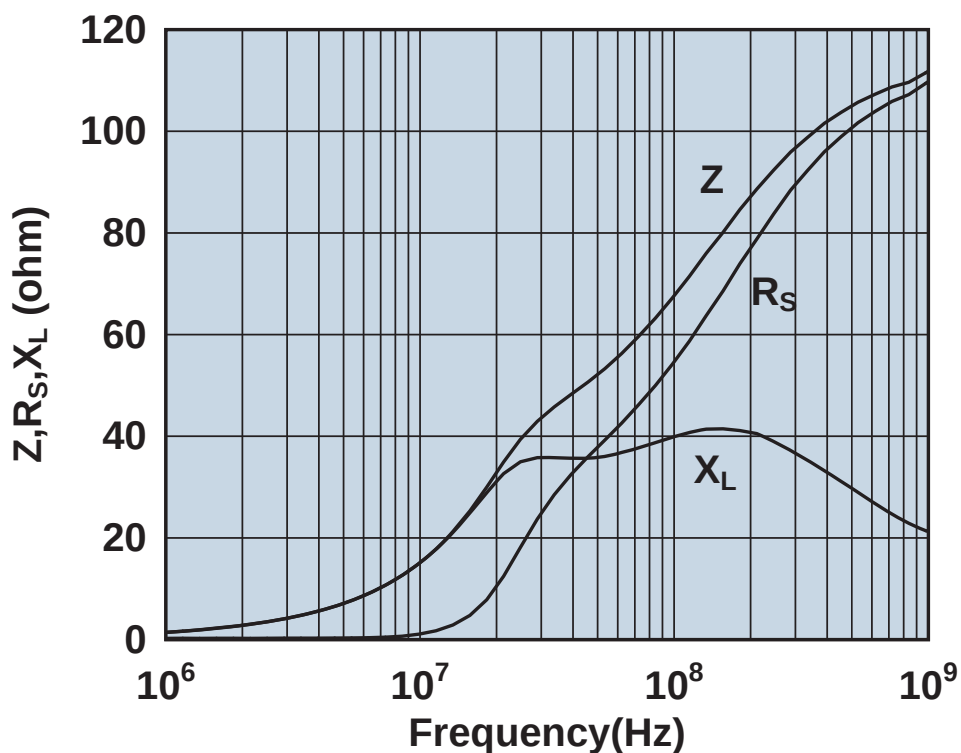


Impedance, reactance, and resistance vs. frequency.

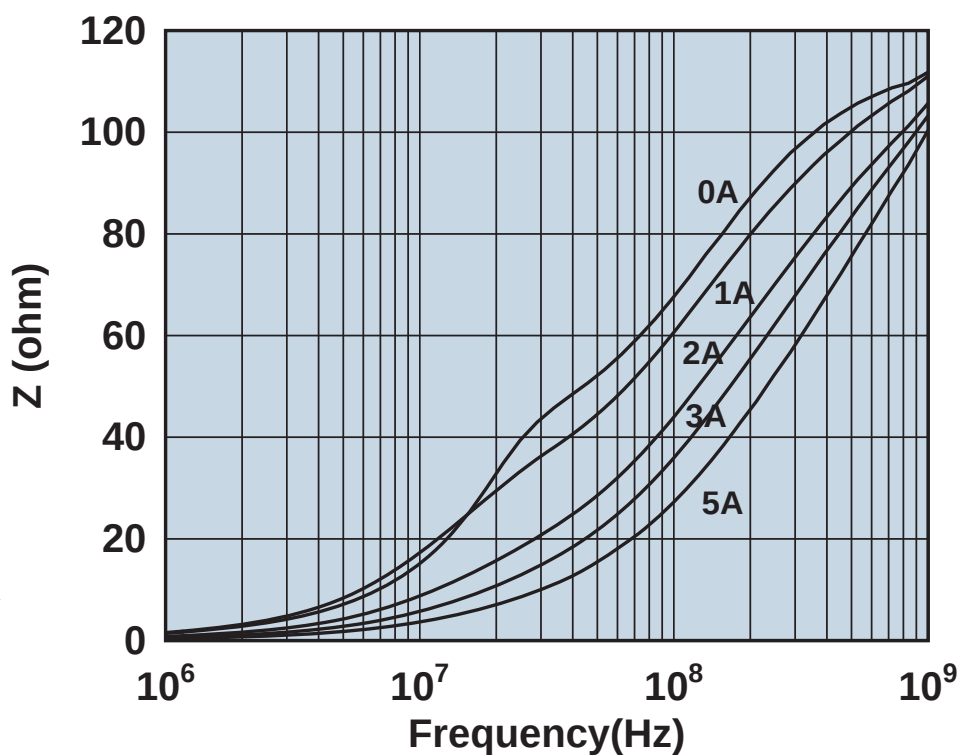


Impedance vs. frequency with dc bias.

2761021447

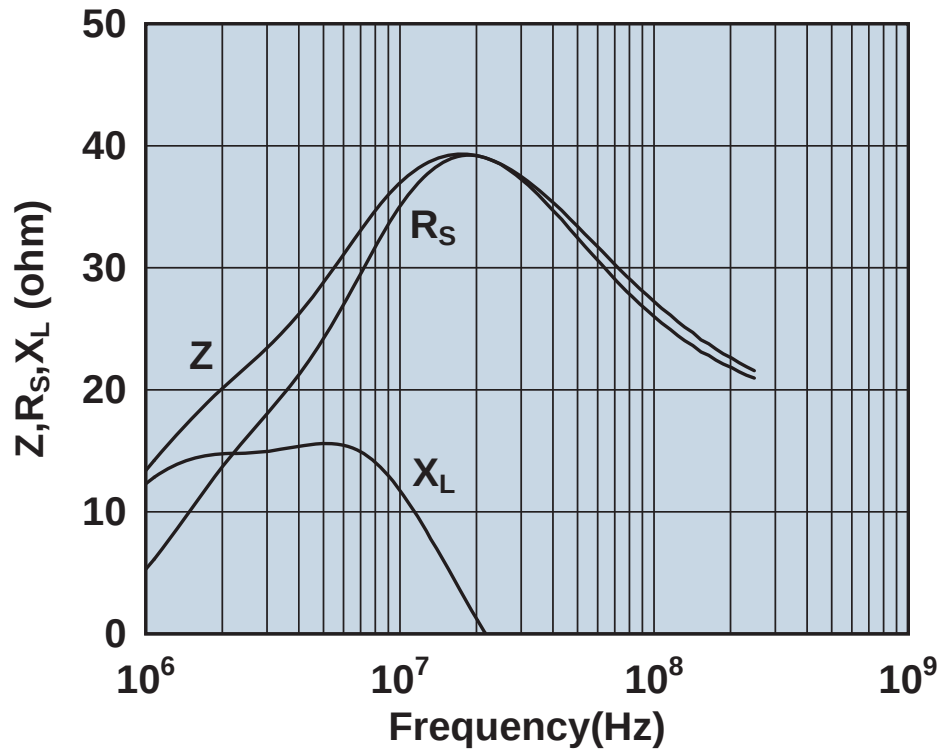


Impedance, reactance, and resistance vs. frequency.

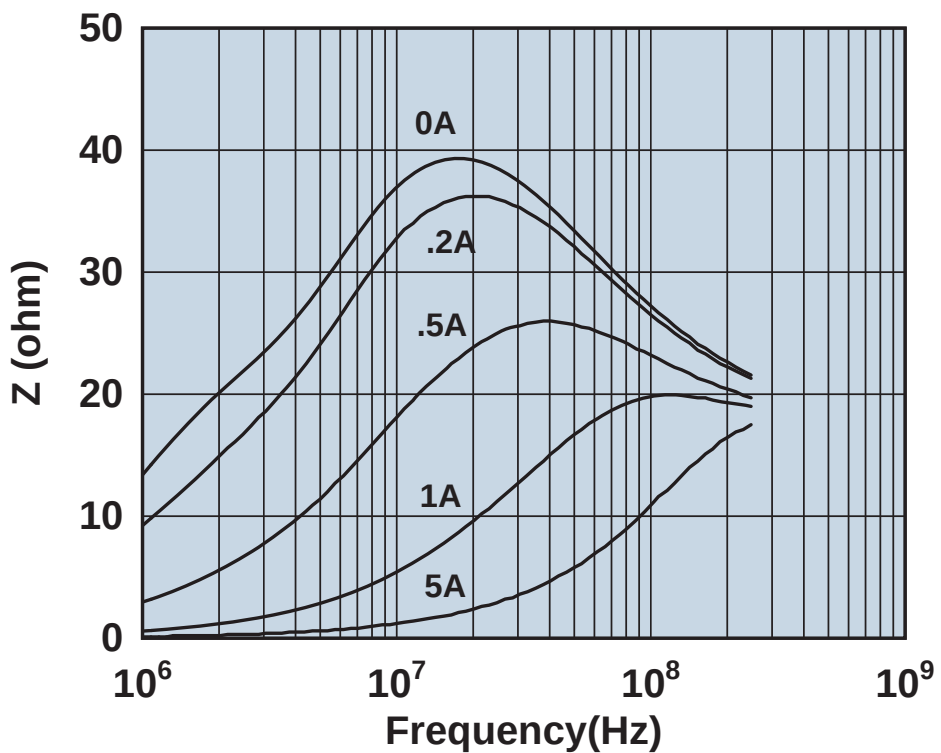


Impedance vs. frequency with dc bias.

2773019447

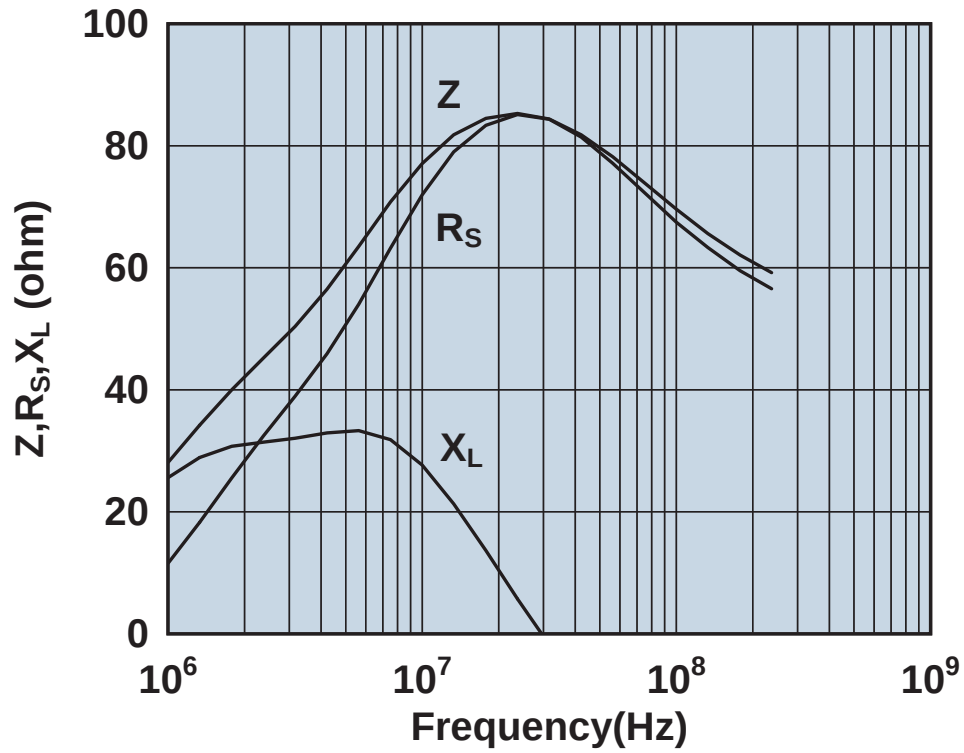


Impedance, reactance, and resistance vs. frequency.

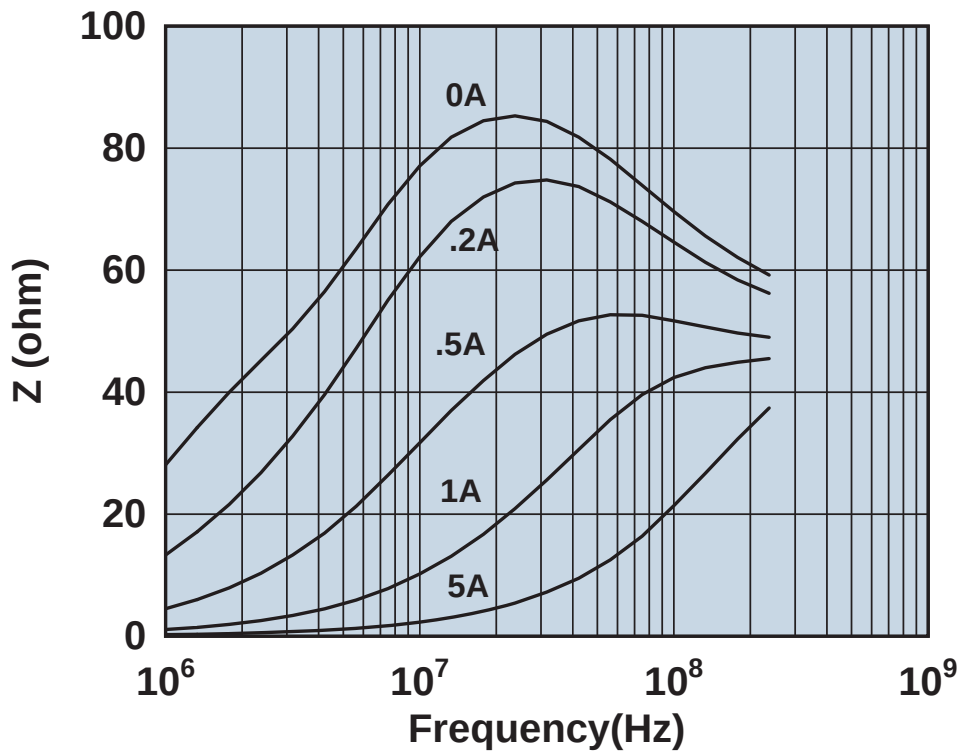


Impedance vs. frequency with dc bias.

2773021447

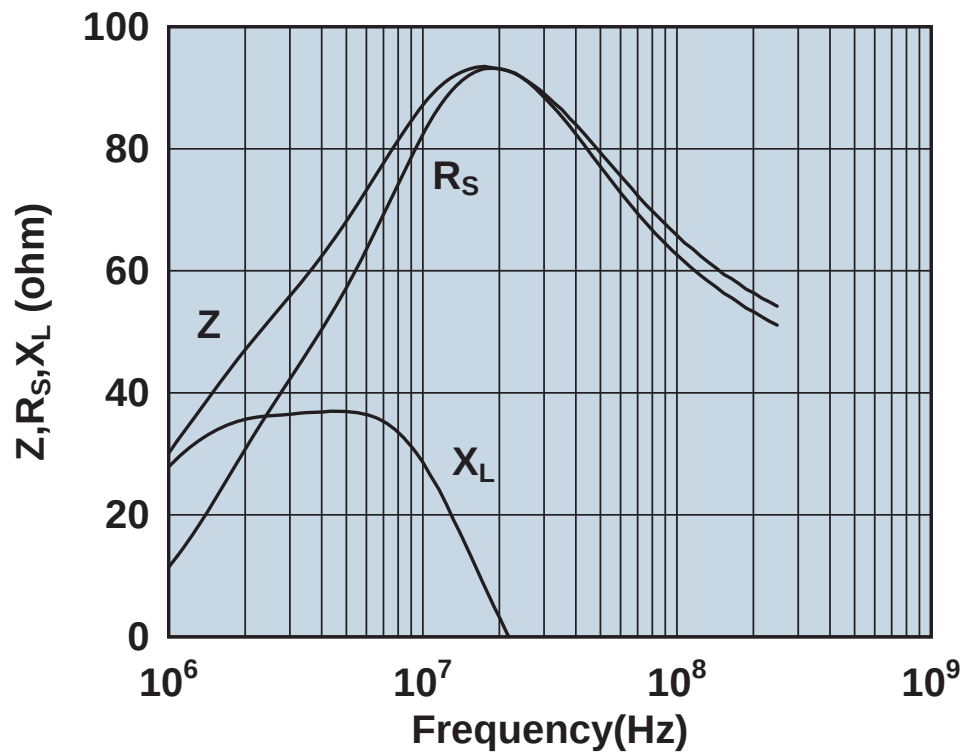


Impedance, reactance, and resistance vs. frequency.

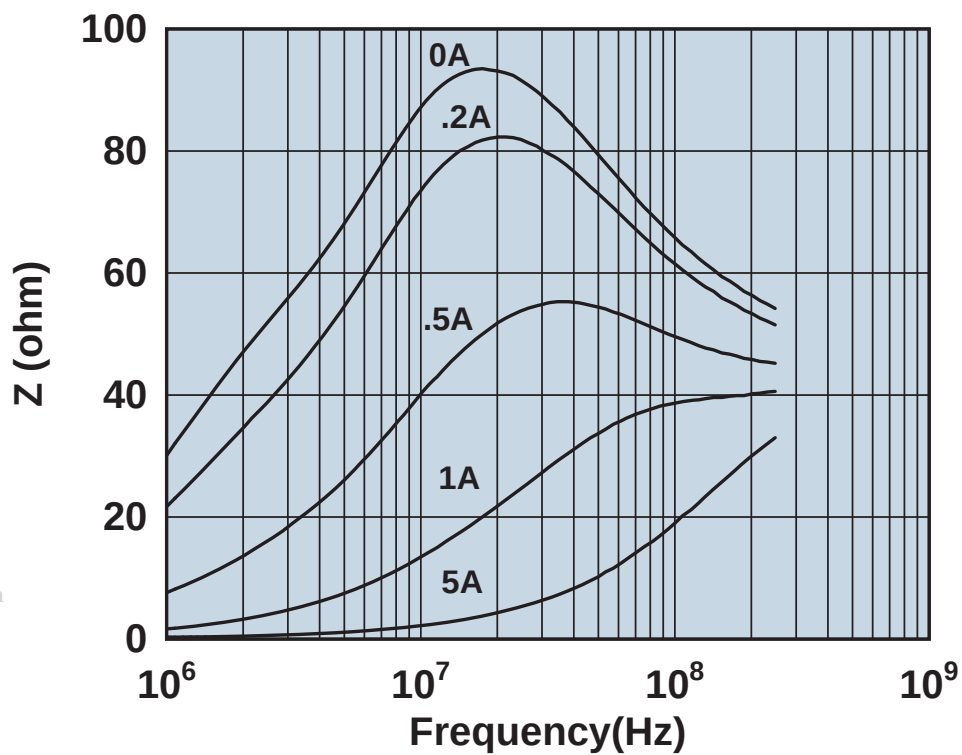


Impedance vs. frequency with dc bias.

2773037447



Impedance, reactance, and resistance vs. frequency.

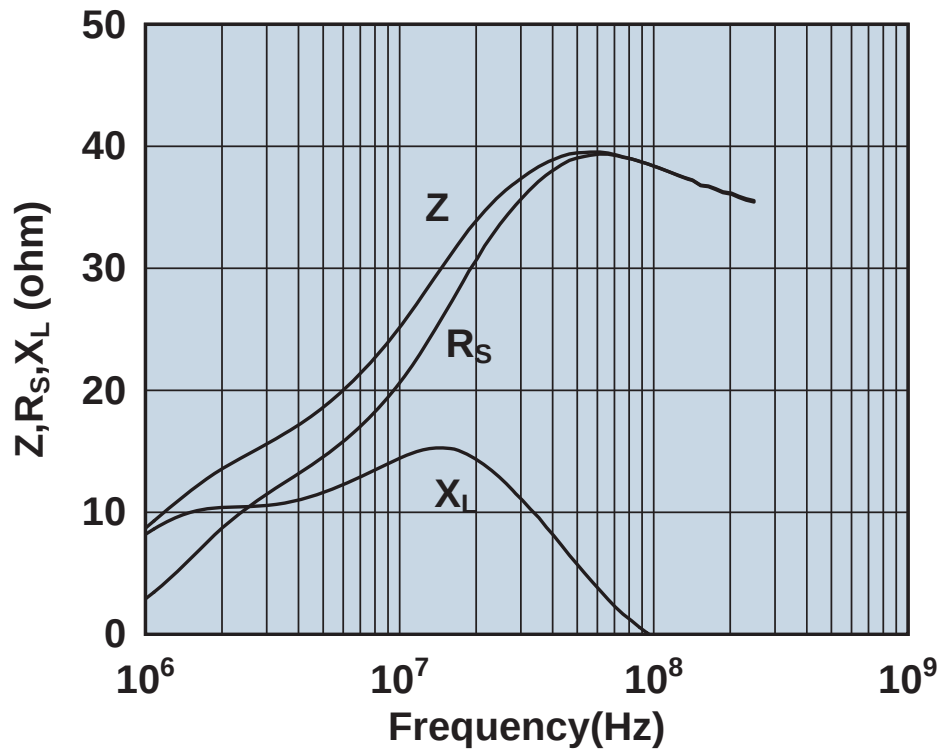


www.DataSheet4U.com

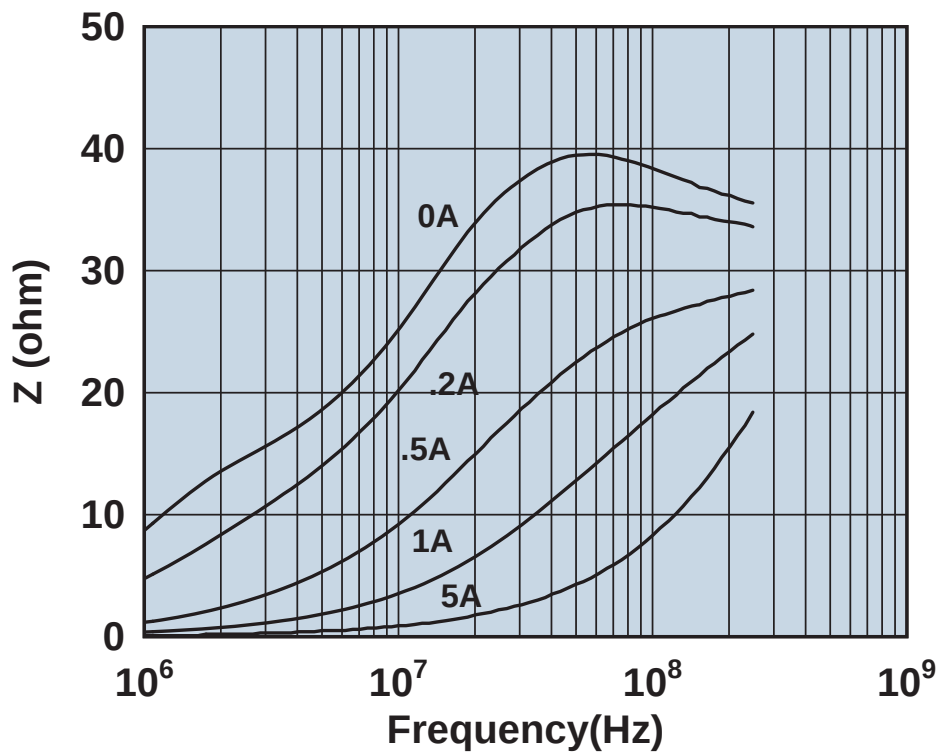
Impedance vs. frequency with dc bias.

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277304447

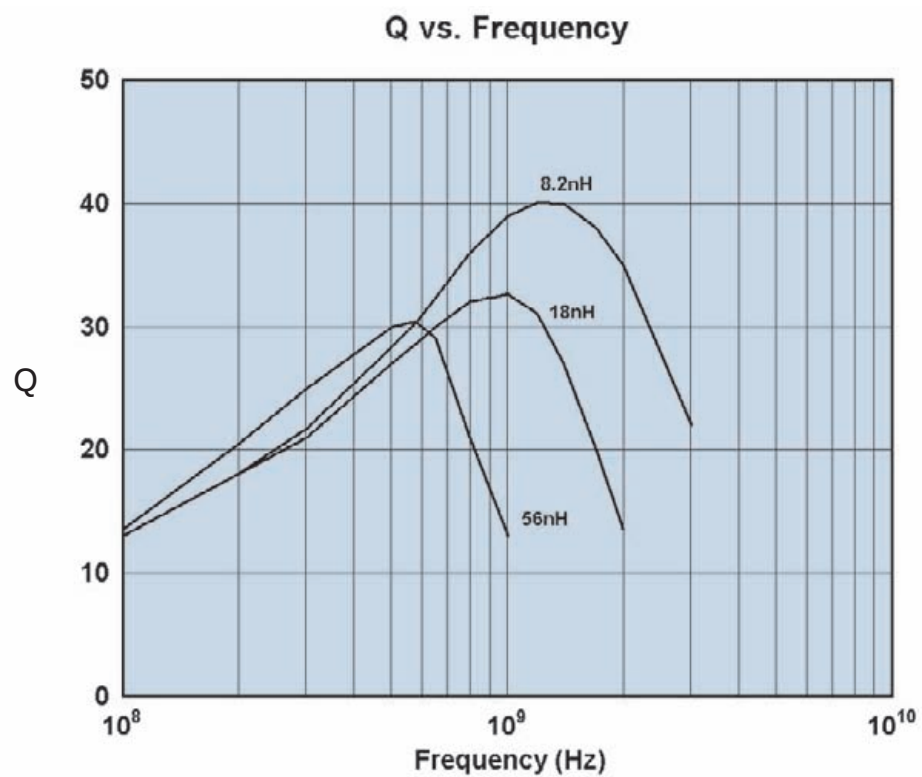
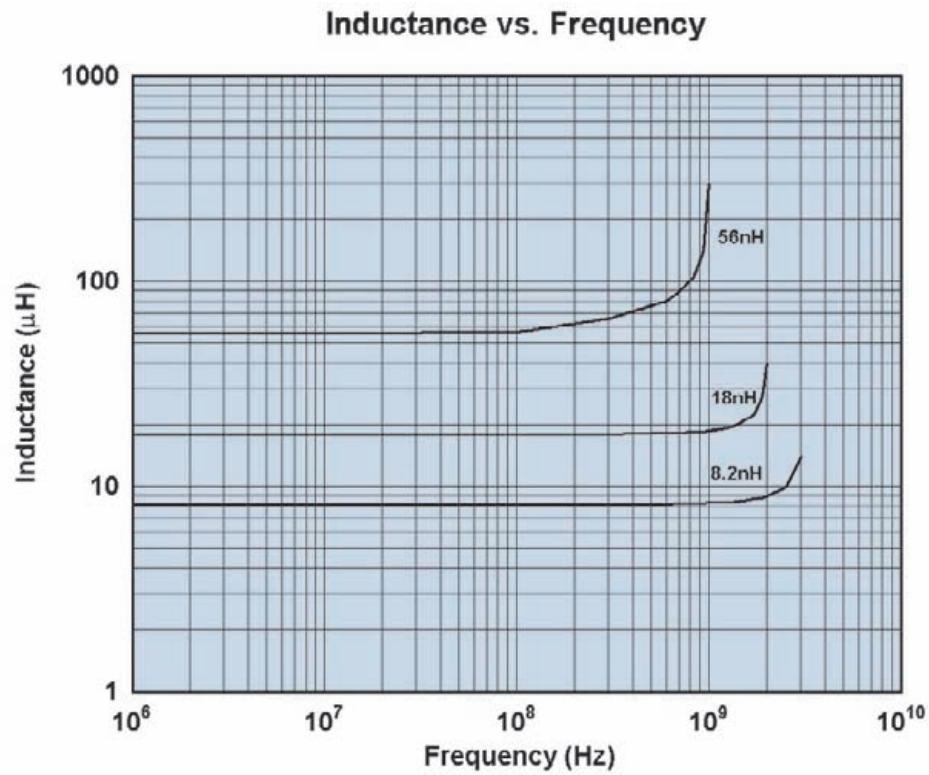


Impedance, reactance, and resistance vs. frequency.

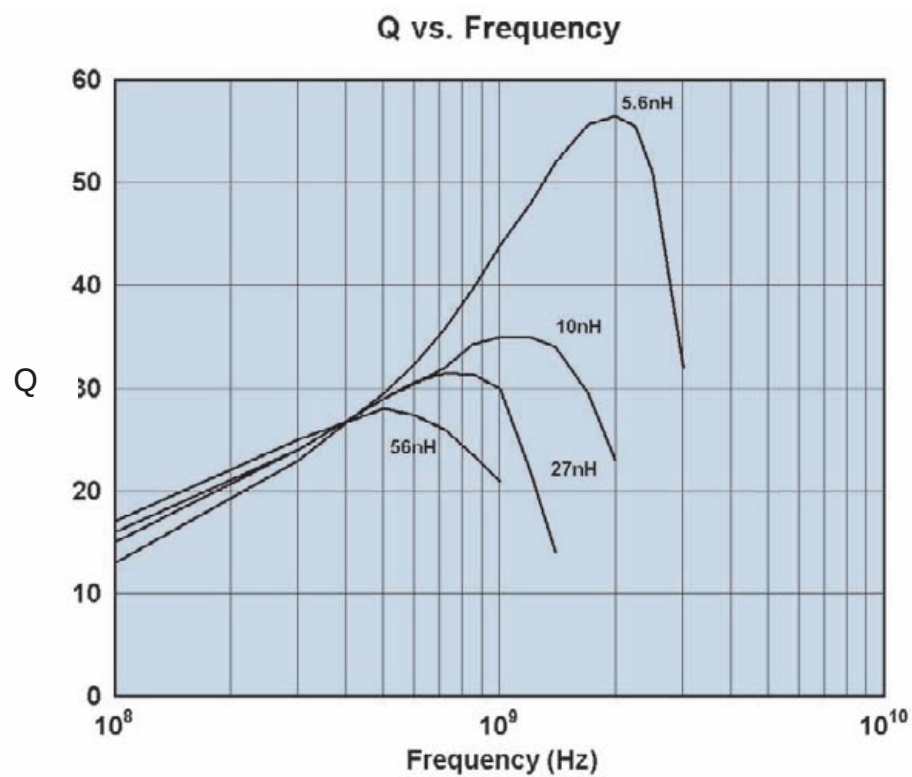
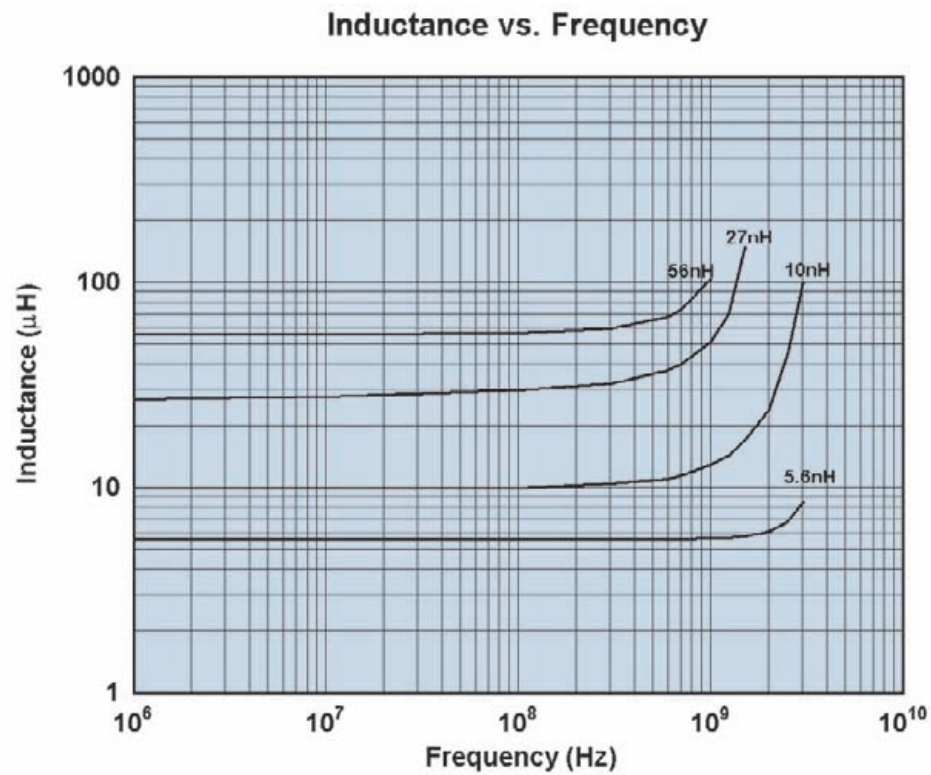


Impedance vs. frequency with dc bias.

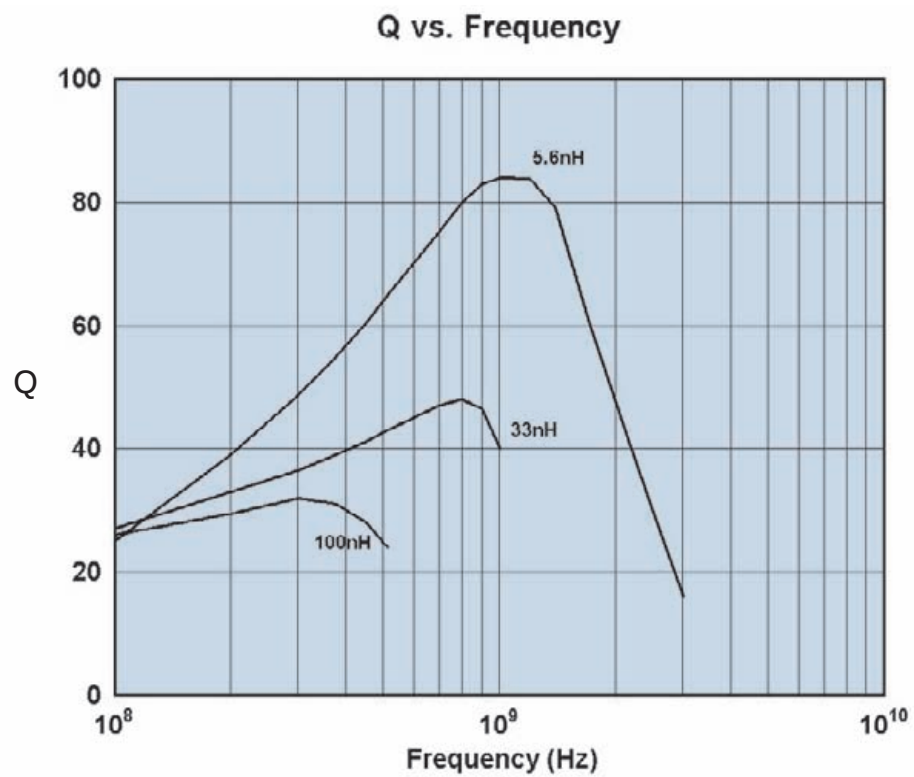
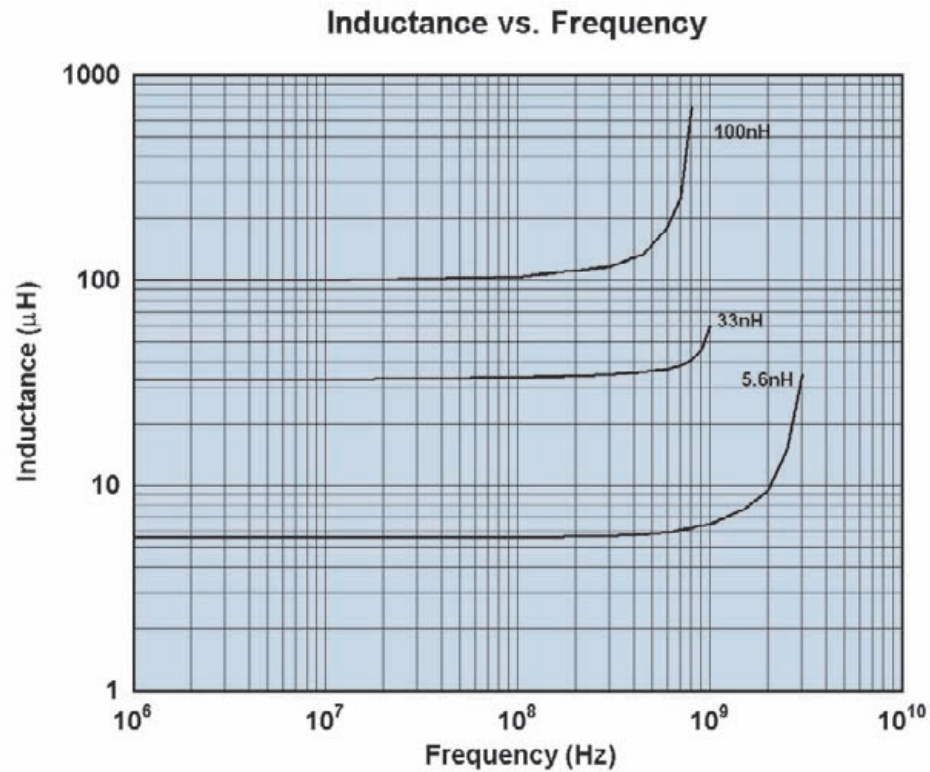
Typical 0402 Chip Inductors (Ceramic)



Typical 0603 Chip Inductors (Ceramic)

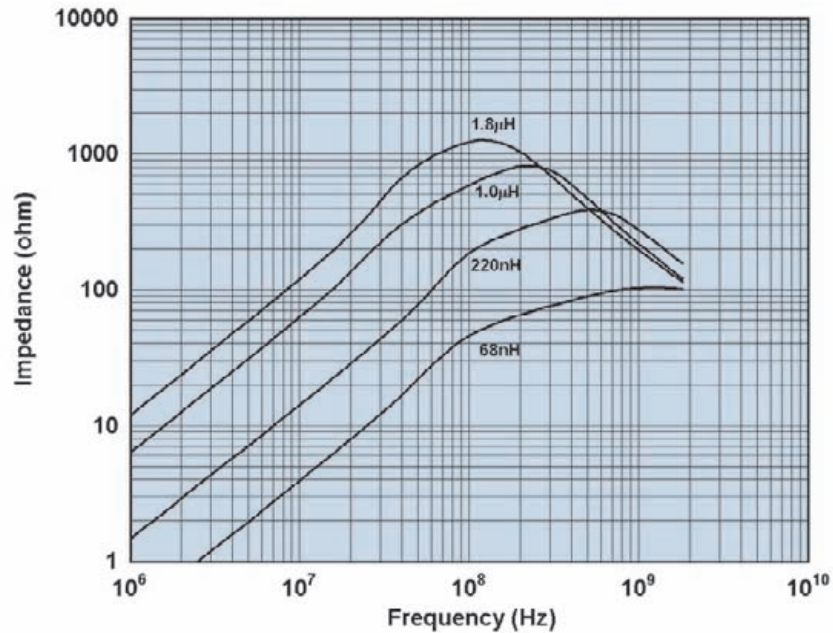


Typical 0805 Chip Inductors (Ceramic)

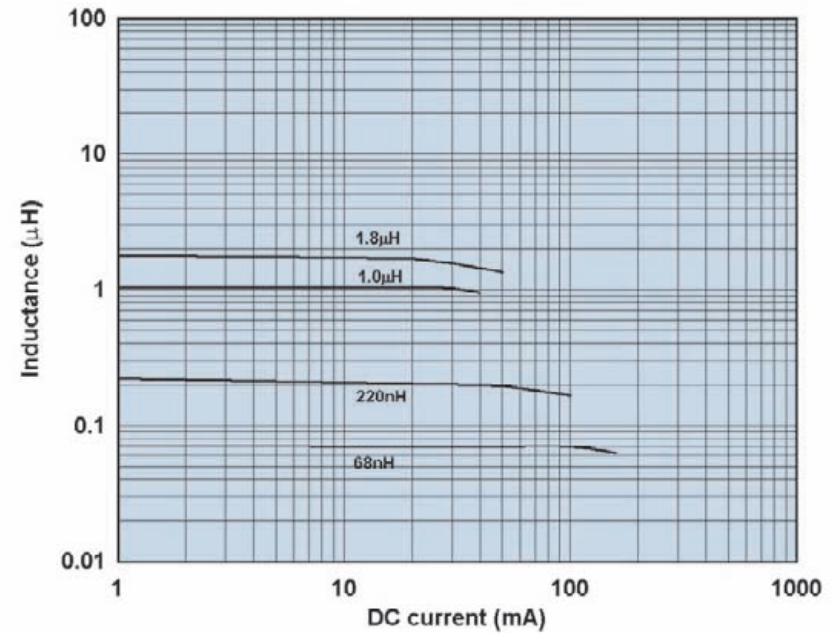


Typical 0603 Chip Inductors (Ferrite)

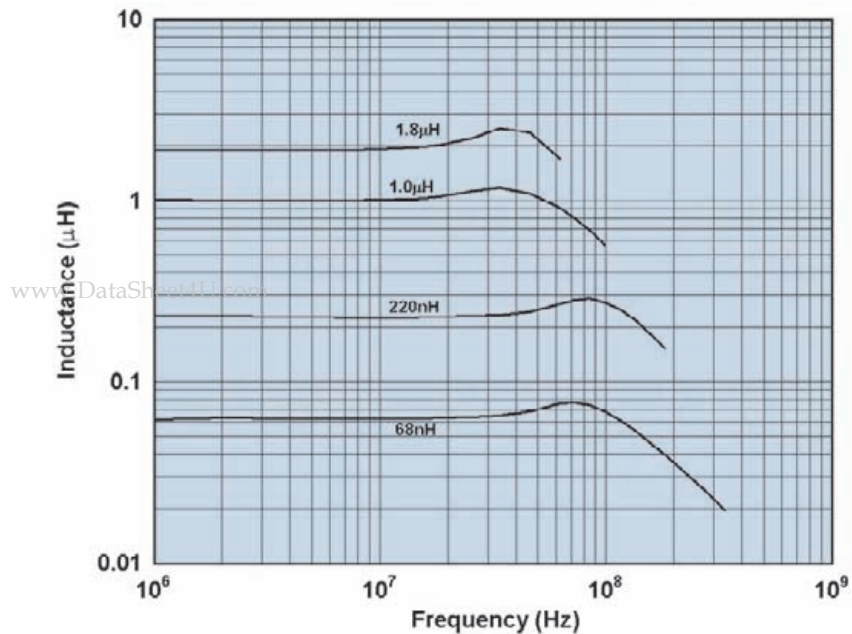
Impedance vs. Frequency



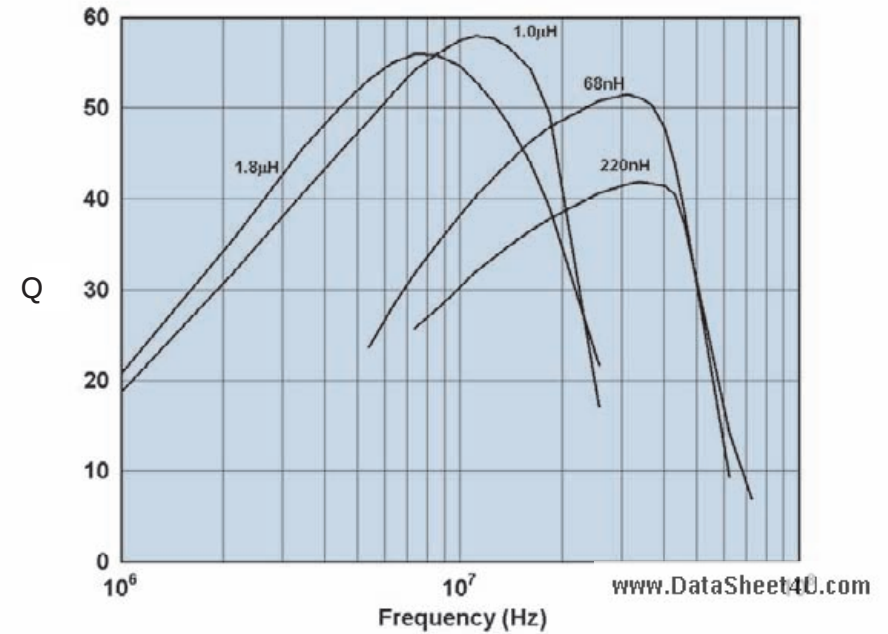
Inductance vs. DC Current



Inductance vs. Frequency

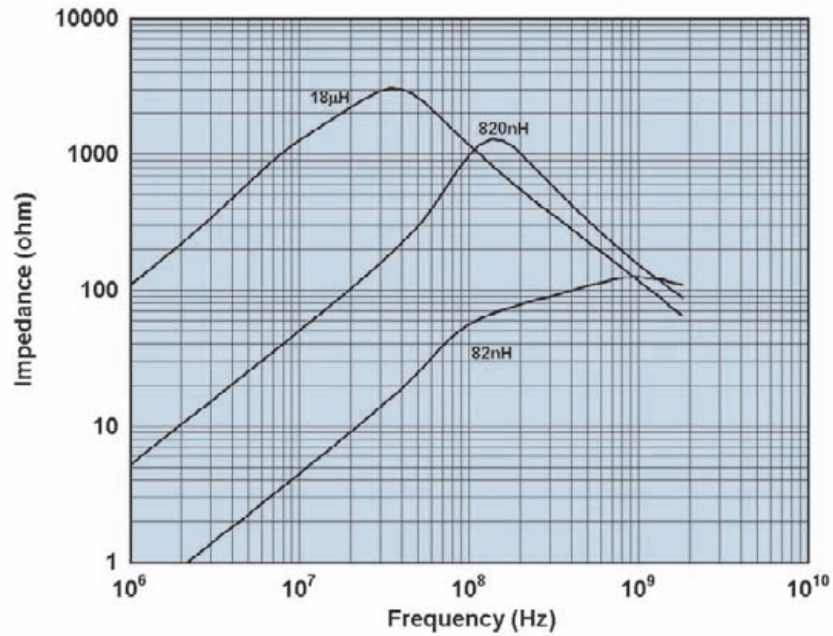


Q vs. Frequency

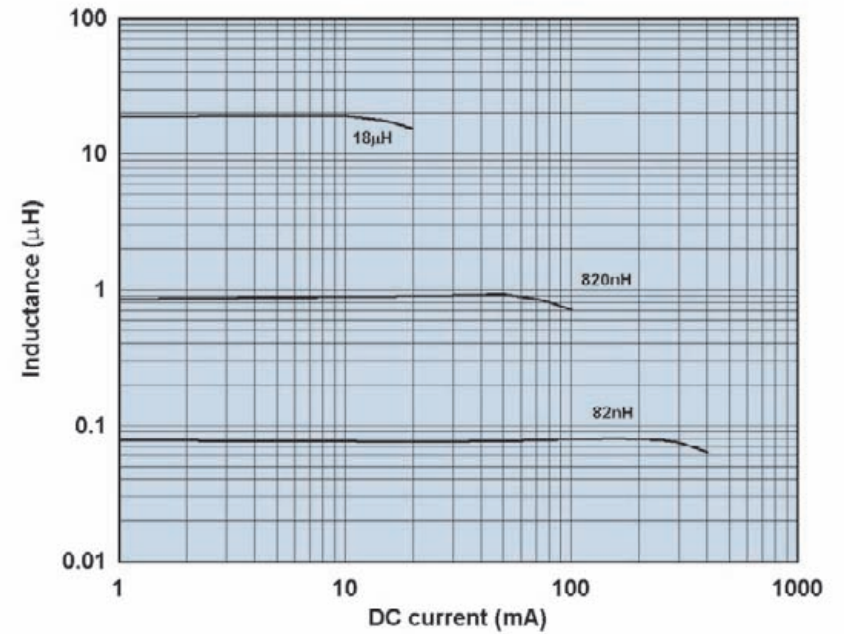


Typical 0805 Chip Inductors (Ferrite)

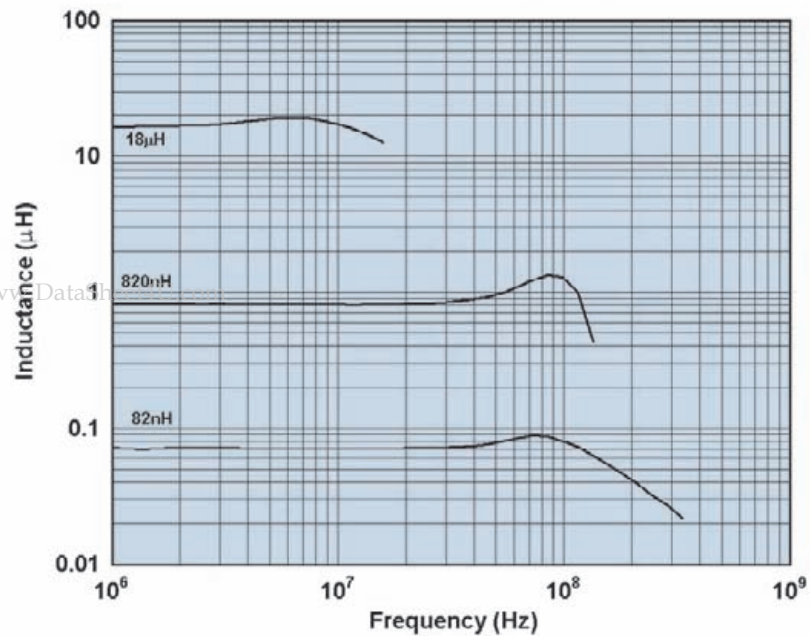
Impedance vs. Frequency



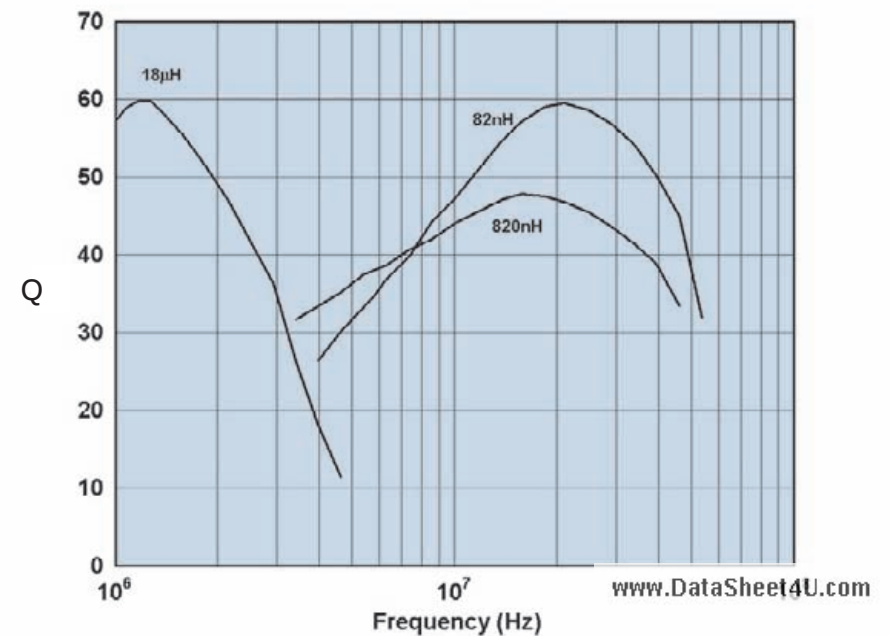
Inductance vs. DC Current



Inductance vs. Frequency



Q vs. Frequency



Typical 1206 Chip Inductors (Ferrite)

