

[SB Series for General Purpose / PB Series for Large Current
NB Series for Data Line, Digital Signals, etc. / GB Series for Medium Current]



SB □ □ □ □ □ □ □ □ □ □ - □

CL S Internal No.
Impedance and Tolerance
Packaging Style (*)
Design Code
Product Symbol

Figure 1 illustrates the dimensions of the test specimen. The top diagram shows a cross-section with a central 'Ferrite' region of width A and two 'Terminal Electrode' regions of width D on either side. The bottom diagram shows the specimen's overall dimensions: length A , width B , and thickness C .

		Dimensions : mm			
TYPE		A	B	C	D
SB/PB/NB	100505	1.0 ± 0.15	0.50 ± 0.15	0.5 ± 0.15	0.25 ± 0.15
SB/PB/NB/GB	160808	1.6 ± 0.20	0.80 ± 0.15	0.8 ± 0.15	0.4 ± 0.2
SB/PB/NB/GB	201209	2.0 ± 0.20	1.25 ± 0.20	0.9 ± 0.20	0.5 ± 0.3
SB/PB/NB/GB	321611	3.2 ± 0.20	1.60 ± 0.20	1.1 ± 0.20	0.5 ± 0.3
SB/GB	321616	3.2 ± 0.20	1.60 ± 0.20	1.6 ± 0.20	0.5 ± 0.3
SB/GB	322513	3.2 ± 0.20	2.50 ± 0.20	1.3 ± 0.20	0.5 ± 0.3
SB/PB/GB	451616	4.5 ± 0.25	1.60 ± 0.20	1.6 ± 0.20	0.5 ± 0.3
SB/PB/GB	453215	4.5 ± 0.25	3.20 ± 0.20	1.5 ± 0.20	0.5 ± 0.3

ELECTRICAL CHARACTERISTICS SB SERIES

PART NO.	IMPEDANCE at 100MHz (Ω ± 25%)	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.	PART NO.	IMPEDANCE at 100MHz (Ω ± 25%)	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.
SBY100505T-060Y-S	6	0.05	500	SBY321611T-190Y-S	19	0.05	600
SBY100505T-100Y-S	10	0.05	500	SBY321611T-260Y-S	26	0.05	600
SBY100505T-400Y-S	40	0.30	300	SBY321611T-320Y-S	32	0.05	600
SBY100505T-800Y-S	80	0.40	200	SBY321611T-500Y-S	50	0.10	500
SBY100505T-121Y-S	120	0.50	200	SBY321611T-600Y-S	60	0.10	500
SBY100505T-241Y-S	240	0.50	200	SBK321611T-700Y-S	70	0.10	500
SBY100505T-481Y-S	480	0.80	100	SBK321611T-900Y-S	90	0.15	500
SBY100505T-601Y-S	600	1.00	100	SBK321611T-121Y-S	120	0.15	500
SBK160808T-110Y-S	11	0.05	500	SBK321611T-151Y-S	150	0.15	500
SBK160808T-190Y-S	19	0.08	500	SBK321611T-201Y-S	200	0.20	400
SBK160808T-300Y-S	30	0.10	400	SBK321611T-401Y-S	400	0.20	400
SBK160808T-400Y-S	40	0.10	400	SBK321611T-501Y-S	500	0.20	400
SBK160808T-600Y-S	60	0.10	300	SBK321611T-601Y-S	600	0.30	400
SBK160808T-800Y-S	80	0.15	300	SBK321611T-102Y-S	1000 *	0.40	200
SBK160808T-121Y-S	120	0.25	300	SBK321611T-122Y-S	1200 *	0.40	200
SBK160808T-221Y-S	220	0.30	200	SBK321611T-152Y-S	1500 *	0.45	200
SBK160808T-301Y-S	300	0.40	200	SBK321611T-202Y-S	2000 **	0.60	200
SBK160808T-451Y-S	450	0.50	200	SBY321616T-250Y-S	25	0.10	500
SBK160808T-601Y-S	600	0.50	200	SBY321616T-600Y-S	60	0.20	500
SBK160808T-751Y-S	750	0.70	200	SBK321616T-700Y-S	70	0.20	500
SBK160808T-102Y-S	1000	0.70	200	SBY322513T-320Y-S	32	0.20	500
SBK160808T-152Y-S	1500	1.00	50	SBY322513T-600Y-S	60	0.20	500
SBK160808T-222Y-S	2200	1.20	50	SBY322513T-900Y-S	90	0.20	500
SBY201209T-070Y-S	7	0.10	600	SBY451616T-500Y-S	50	0.20	600
SBY201209T-090Y-S	9	0.10	600	SBY451616T-600Y-S	60	0.20	600
SBY201209T-110Y-S	11	0.10	600	SBY451616T-800Y-S	80	0.20	600
SBY201209T-170Y-S	17	0.10	600	SBY451616T-101Y-S	100	0.30	500
SBY201209T-320Y-S	32	0.10	600	SBK451616T-151Y-S	150	0.30	500
SBK201209T-600Y-S	60	0.15	500	SBK451616T-171Y-S	170	0.30	500
SBK201209T-700Y-S	70	0.15	500	SBY453215T-700Y-S	70	0.30	500
SBK201209T-800Y-S	80	0.15	500	SBY453215T-121Y-S	120	0.30	500
SBK201209T-121Y-S	120	0.25	300	NOTE: * at 50MHz	** at 30MHz		
SBK201209T-151Y-S	150	0.25	300				
SBK201209T-221Y-S	220	0.30	300				
SBK201209T-301Y-S	300	0.30	300				
SBK201209T-401Y-S	400	0.30	300				
SBK201209T-501Y-S	500	0.40	300				
SBK201209T-601Y-S	600	0.40	300				
SBK201209T-751Y-S	750	0.50	200				
SBK201209T-102Y-S	1000	0.50	200				
SBK201212T-152Y-S	1500	0.60	200				
SBK201209T-202Y-S	2000	0.80	100				
SBK201212T-222Y-S	2200	1.00	100				



ELECTRICAL CHARACTERISTICS PB SERIES

PART NO.	TEST FREQUENCY (MHz)	IMPEDANCE ($\Omega \pm 25\%$)	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.
PBY100505T-100Y-S	100	10	0.03	1000
PBY160808T-110Y-S	100	11	0.02	4000
PBY160808T-250Y-S	100	25	0.03	3000
PBY160808T-400Y-S	100	40	0.035	3000
PBY160808T-600Y-S	100	60	0.04	3000
PBY160808T-121Y-S	100	120	0.05	2500
PBY160808T-301Y-S	100	300	0.10	2000
PBY160808T-501Y-S	100	500	0.15	1500
PBY160808T-601Y-S	100	600	0.20	1000
PBY160808T-102Y-S	100	1000	0.25	800
PBY201209T-110Y-S	100	11	0.01	6000
PBY201209T-170Y-S	100	17	0.02	5000
PBY201209T-300Y-S	100	30	0.02	4000
PBY201209T-500Y-S	100	50	0.025	3000
PBY201209T-600Y-S	100	60	0.03	3000
PBY201209T-800Y-S	100	80	0.04	3000
PBY201209T-121Y-S	100	120	0.04	3000
PBY201209T-201Y-S	100	200	0.05	2500
PBY201209T-301Y-S	100	300	0.08	2000
PBY201209T-601Y-S	100	600	0.10	2000
PBY201209T-102Y-S	100	1000	0.12	1500
PBY321611T-190Y-S	100	19	0.015	6000
PBY321611T-320Y-S	100	32	0.015	4000
PBY321611T-500Y-S	100	50	0.02	4000
PBY321611T-800Y-S	100	80	0.025	3000
PBY321611T-101Y-S	100	100	0.03	2500
PBY321611T-301Y-S	100	300	0.06	2000
PBY321611T-601Y-S	100	600	0.10	1800
PBY321611T-102Y-S	50	1000	0.15	1200
PBY321611T-122Y-S	50	1200	0.18	1000
PBY321611T-152Y-S	50	1500	0.20	800
PBY322513T-600Y-S	100	60	0.025	4000
PBY322513T-900Y-S	100	90	0.025	3000
PBY451616T-500Y-S	100	50	0.020	6000
PBY451616T-600Y-S	100	60	0.020	5000
PBY451616T-800Y-S	100	80	0.025	4000
PBY451616T-151Y-S	100	150	0.100	2000
PBY453215T-700Y-S	100	70	0.03	6000
PBY453215T-121Y-S	100	120	0.03	4000

ELECTRICAL CHARACTERISTICS NB SERIES

PART NO.	TEST FREQUENCY (MHz)	IMPEDANCE ($\Omega \pm 25\%$)	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.
NBQ100505T-060Y-S	100	6	0.10	300
NBQ100505T-100Y-S	100	10	0.20	200
NBQ100505T-400Y-S	100	40	0.40	150
NBQ100505T-800Y-S	100	80	0.60	100
NBQ100505T-121Y-S	100	120	0.80	50
NBQ160808T-060Y-S	100	6	0.05	500
NBQ160808T-100Y-S	100	10	0.07	400
NBQ160808T-400Y-S	100	40	0.30	300
NBQ160808T-600Y-S	100	60	0.30	300
NBQ160808T-800Y-S	100	80	0.40	300
NBQ160808T-121Y-S	100	120	0.40	300
NBQ160808T-241Y-S	100	240	0.40	200
NBQ160808T-301Y-S	100	300	0.50	200
NBQ160808T-481Y-S	100	480	0.60	150
NBQ160808T-601Y-S	100	600	0.60	100
NBQ160808T-102Y-S	100	1000	0.70	100
NBQ201209T-060Y-S	100	6	0.07	800
NBQ201209T-110Y-S	100	11	0.10	700
NBQ201209T-260Y-S	100	26	0.20	600
NBQ201209T-320Y-S	100	32	0.20	600
NBQ201209T-600Y-S	100	60	0.30	500
NBQ201209T-750Y-S	100	75	0.30	500
NBQ201209T-900Y-S	100	90	0.30	500
NBQ201209T-121Y-S	100	120	0.40	400
NBQ201209T-151Y-S	100	150	0.40	400
NBQ201209T-171Y-S	100	170	0.50	400
NBQ201209T-221Y-S	100	220	0.50	300
NBQ201209T-301Y-S	100	300	0.50	300
NBQ201209T-401Y-S	100	400	0.50	300
NBQ201209T-501Y-S	100	500	0.50	200
NBQ201209T-601Y-S	100	600	0.50	200
NBQ201209T-102Y-S	100	1000	0.60	100
NBQ201209T-122Y-S	100	1200	0.70	100
NBQ201209T-152Y-S	100	1500	0.70	100
NBQ201209T-222Y-S	100	2200	0.75	100
NBQ321611T-320Y-S	100	32	0.20	600
NBQ321611T-600Y-S	100	60	0.30	500
NBQ321611T-800Y-S	100	80	0.30	500
NBQ321611T-900Y-S	100	90	0.30	500
NBQ321611T-121Y-S	100	120	0.40	400
NBQ321611T-151Y-S	100	150	0.40	400
NBQ321611T-201Y-S	100	200	0.50	300
NBQ321611T-221Y-S	100	220	0.50	300
NBQ321611T-351Y-S	100	350	0.60	300
NBQ321611T-401Y-S	100	400	0.60	300
NBQ321611T-601Y-S	100	600	0.80	300
NBQ321611T-122Y-S	100	1200	1.00	200
NBQ321611T-152Y-S	100	1500	1.20	150



ELECTRICAL CHARACTERISTICS GB SERIES

PART NO.	IMPEDANCE at 100MHz ($\Omega \pm 25\%$)	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.	PART NO.	IMPEDANCE at 100MHz ($\Omega \pm 25\%$)	DC RESISTANCE (Ω) Max.	RATED CURRENT (mA) Max.
GBK160808T-110Y-S	11	0.03	1000	GBY321611T-190Y-S	19	0.03	1000
GBK160808T-190Y-S	19	0.05	1000	GBY321611T-260Y-S	26	0.03	1000
GBK160808T-300Y-S	30	0.06	800	GBY321611T-320Y-S	32	0.03	1000
GBK160808T-400Y-S	40	0.06	800	GBY321611T-500Y-S	50	0.06	800
GBK160808T-600Y-S	60	0.06	600	GBY321611T-600Y-S	60	0.06	800
GBK160808T-800Y-S	80	0.10	600	GBK321611T-700Y-S	70	0.06	800
GBK160808T-121Y-S	120	0.15	600	GBK321611T-900Y-S	90	0.10	800
GBK160808T-221Y-S	220	0.18	400	GBK321611T-121Y-S	120	0.10	800
GBK160808T-301Y-S	300	0.25	400	GBK321611T-151Y-S	150	0.10	800
GBK160808T-451Y-S	450	0.30	400	GBK321611T-201Y-S	200	0.15	600
GBK160808T-601Y-S	600	0.30	400	GBK321611T-401Y-S	400	0.15	600
GBK160808T-751Y-S	750	0.45	300	GBK321611T-501Y-S	500	0.15	600
GBK160808T-102Y-S	1000	0.45	300	GBK321611T-601Y-S	600	0.20	500
GBY201209T-070Y-S	7	0.06	1000	GBK321611T-102Y-S	1000 *	0.25	400
GBY201209T-090Y-S	9	0.06	1000	GBK321611T-122Y-S	1200 *	0.25	400
GBY201209T-110Y-S	11	0.06	1000	GBK321611T-202Y-S	2000 **	0.35	400
GBY201209T-170Y-S	17	0.06	1000	GBY321616T-250Y-S	25	0.10	1000
GBY201209T-320Y-S	32	0.06	1000	GBY321616T-600Y-S	60	0.10	1000
GBK201209T-600Y-S	60	0.10	800	GBK321616T-700Y-S	70	0.10	1000
GBK201209T-700Y-S	70	0.10	800	GBY322513T-320Y-S	32	0.10	1000
GBK201209T-800Y-S	80	0.10	800	GBY322513T-600Y-S	60	0.10	1000
GBK201209T-121Y-S	120	0.15	600	GBY322513T-900Y-S	90	0.10	1000
GBK201209T-151Y-S	150	0.15	600	GBY451616T-500Y-S	50	0.10	1000
GBK201209T-221Y-S	220	0.18	600	GBY451616T-600Y-S	60	0.10	1000
GBK201209T-301Y-S	300	0.18	600	GBY451616T-800Y-S	80	0.10	1000
GBK201209T-401Y-S	400	0.18	600	GBY451616T-101Y-S	100	0.18	800
GBK201209T-501Y-S	500	0.25	500	GBK451616T-151Y-S	150	0.18	800
GBK201209T-601Y-S	600	0.25	500	GBK451616T-171Y-S	170	0.18	800
GBK201209T-751Y-S	750	0.30	400	GBY453215T-700Y-S	70	0.18	800
GBK201209T-102Y-S	1000	0.30	400	GBY453215T-121Y-S	120	0.18	800
GBK201209T-152Y-S	1500	0.40	300	NOTE: * at 50MHz ** at 30MHz			
GBK201209T-202Y-S	2000	0.55	200				

TAPE DIMENSIONS

Dimensions : mm

TYPE		A	B	T	W	P	F	K	TAPE TYPE
SB/PB/NB	100505	0.65	1.15	0.7	8.0	2.0	3.5	—	B
SB/PB/NB/GB	160808	0.975	1.8	1.05	8.0	4.0	3.5	—	B
SB/PB/NB/GB	201209	1.54	2.32	1.15	8.0	4.0	3.5	0.2	A
SB/PB/NB/GB	321611	1.94	3.54	1.29	8.0	4.0	3.5	0.2	A
SB/GB	321616	1.94	3.64	1.90	8.0	4.0	3.5	0.2	A
SB/GB	322513	2.80	3.42	1.64	8.0	4.0	3.5	0.2	A
SB/PB/GB	451616	1.94	4.94	1.90	12.0	4.0	5.5	0.3	A
SB/PB/GB	453215	3.64	4.94	1.80	12.0	8.0	5.5	0.3	A

REEL DIMENSIONS

Dimensions : mm

TYPE		A	B	C	D
SB/PB/NB	100505	178	60	10	2
SB/PB/NB/GB	160808	178	60	10	2
SB/PB/NB/GB	201209	178	60	10	2
SB/PB/NB/GB	321611	178	60	10	2
SB/GB	321616	178	60	10	2
SB/GB	322513	178	60	10	2
SB/PB/GB	451616	178	60	14	2
SB/PB/GB	453215	178	60	14	2

RECOMMENDED PATTERN

Dimensions : mm

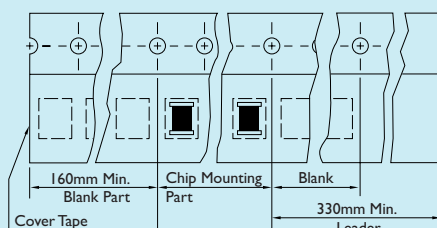
TYPE		A	B	C
SB/PB/NB	100505	0.4	1.2 ~ 1.4	0.4
SB/PB/NB/GB	160808	0.8	2.4 ~ 3.4	0.6
SB/PB/NB/GB	201209	1.2	3.0 ~ 4.0	1.0
SB/PB/NB/GB	321611	2.0	4.2 ~ 5.2	1.2
SB/GB	321616	2.0	4.2 ~ 5.2	1.2
SB/GB	322513	2.0	5.5 ~ 6.5	1.8
SB/PB/GB	451616	3.0	5.5 ~ 6.5	1.2
SB/PB/GB	453215	3.0	5.5 ~ 6.5	2.4

TAPE MATERIAL

Carrier Tape : Polystyrene (for 201209, 201211, 321611, etc.)

Paper (for 160808, 100505)

Cover Type : Polyethyiene



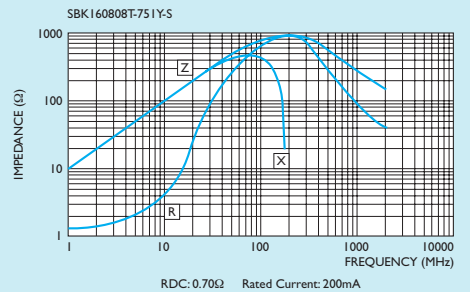
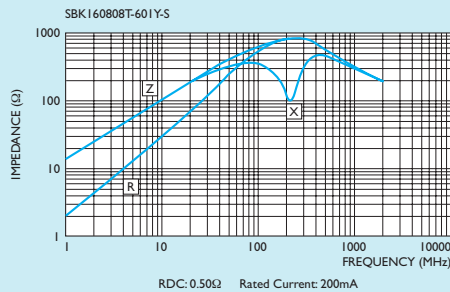
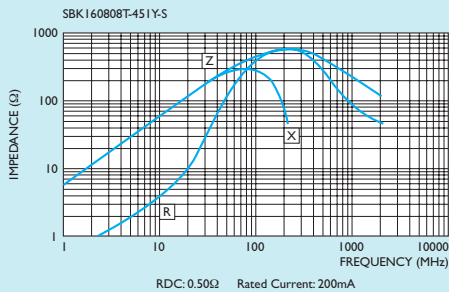
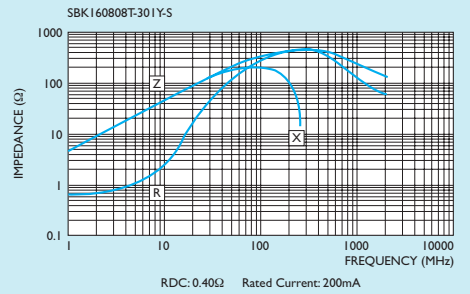
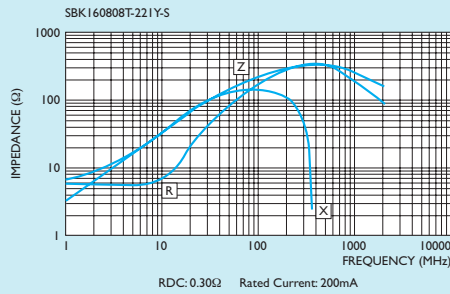
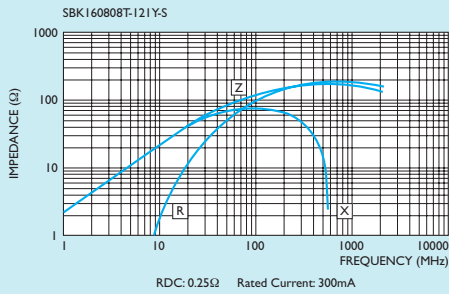
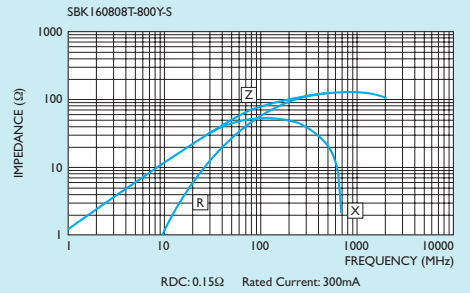
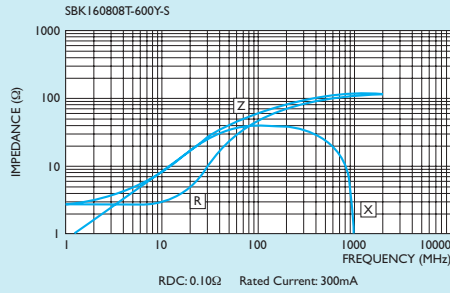
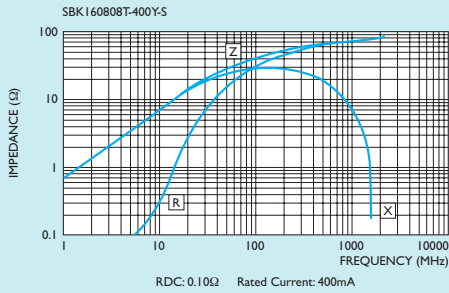
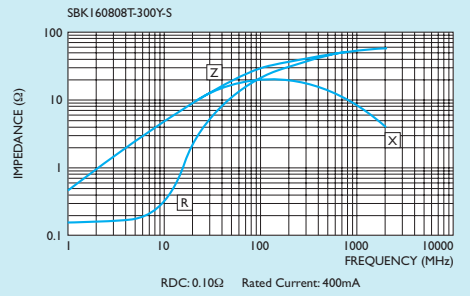
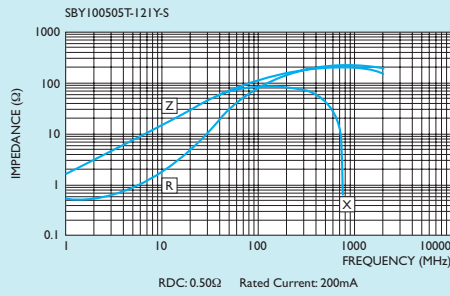
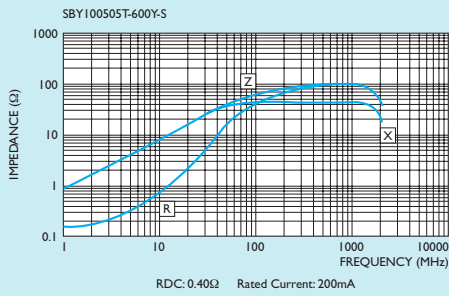
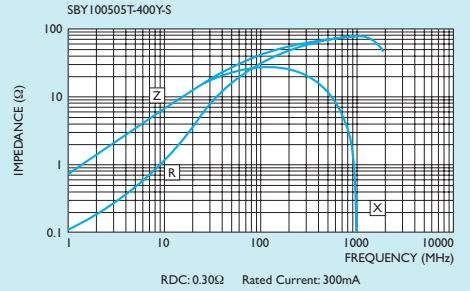
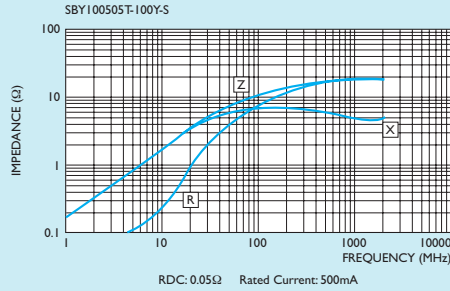
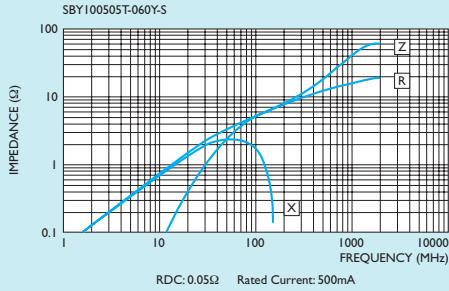
PACKAGING QUANTITY

TYPE		BULK	CHIP/REEL
SB/PB/NB	100505	✓	10000
SB/PB/NB/GB	160808	✓	4000
SB/PB/NB/GB	201209	✓	4000
SB/PB/NB/GB	321611	✓	3000
SB/GB	321616	✓	2000
SB/GB	322513	✓	2500
SB/PB/GB	451616	✓	2000
SB/PB/GB	453215	✓	1000



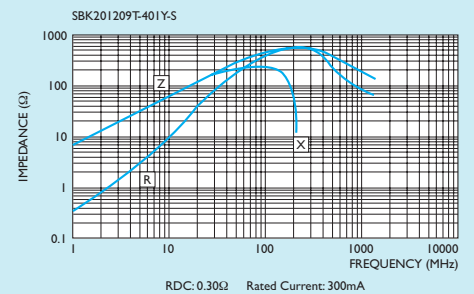
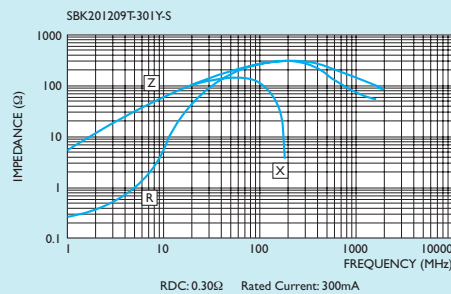
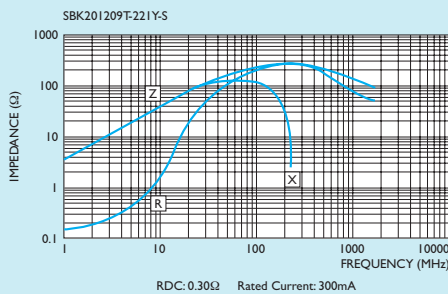
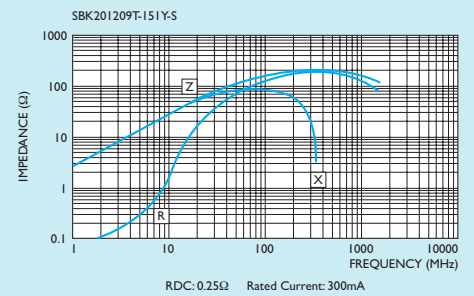
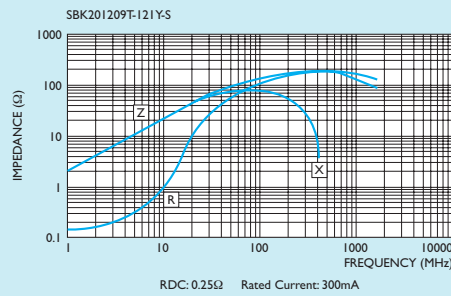
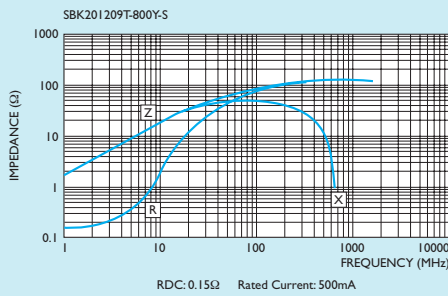
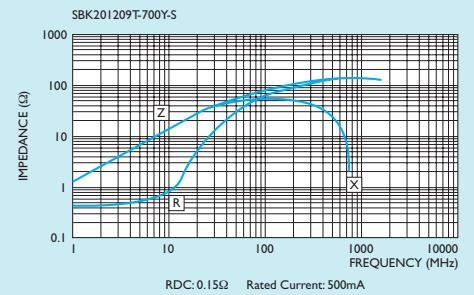
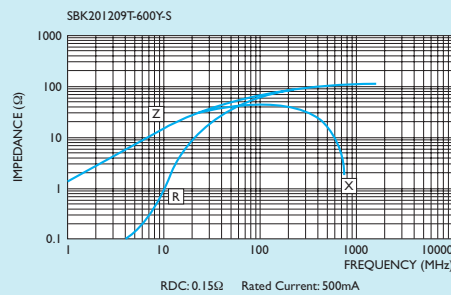
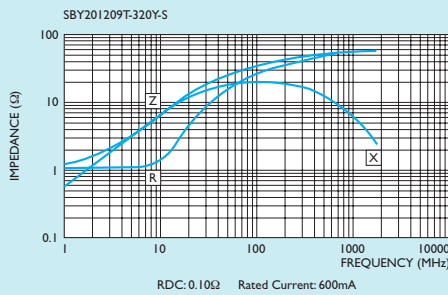
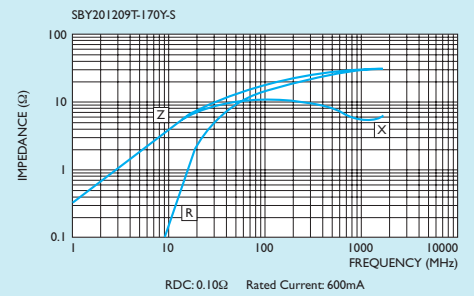
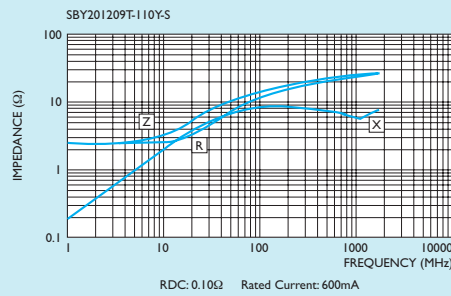
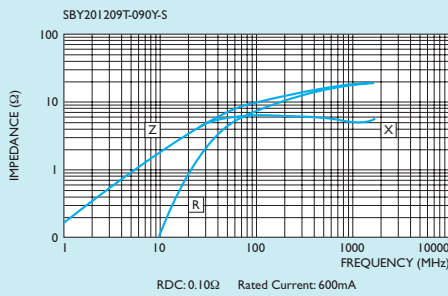
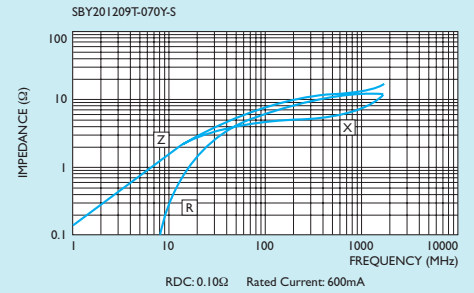
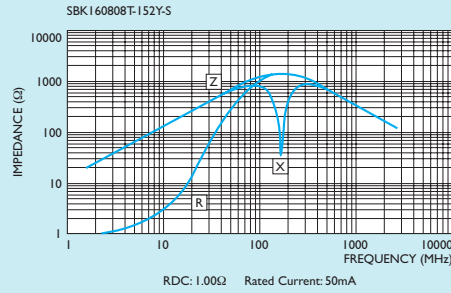
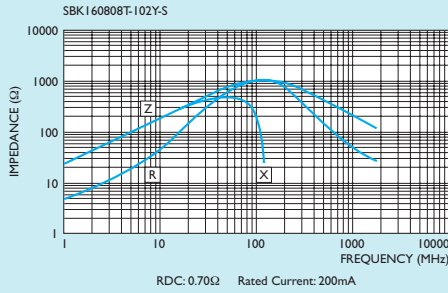
TYPICAL ELECTRICAL CHARACTERISTICS

Test Instruments : HP4291A Impedance / Material Analyzer



TYPICAL ELECTRICAL CHARACTERISTICS

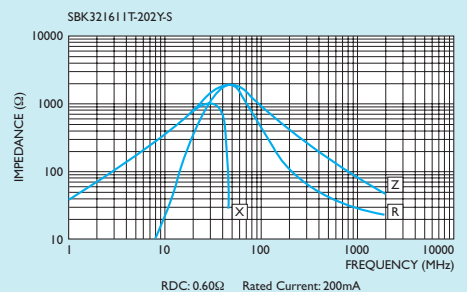
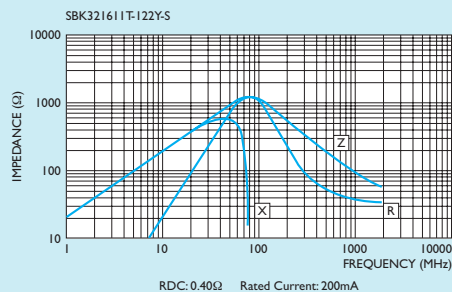
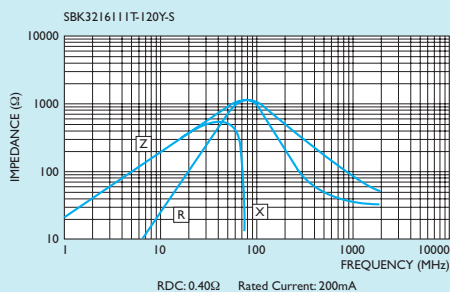
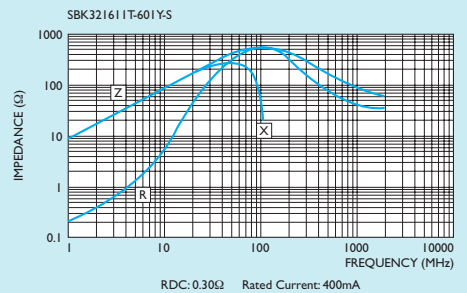
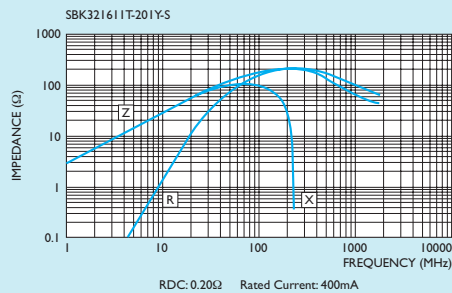
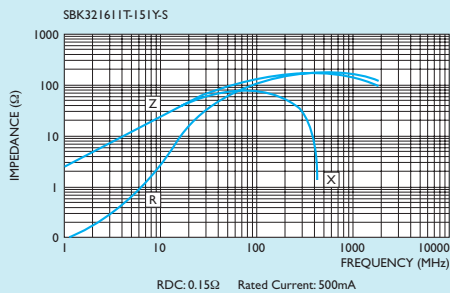
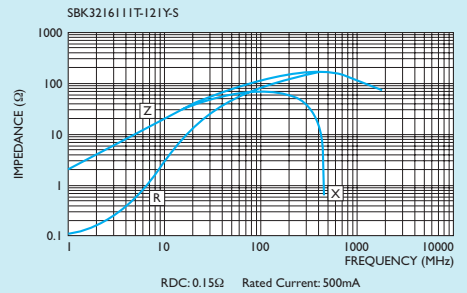
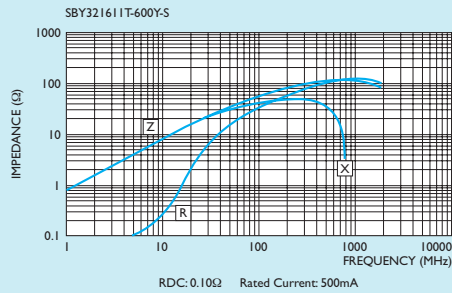
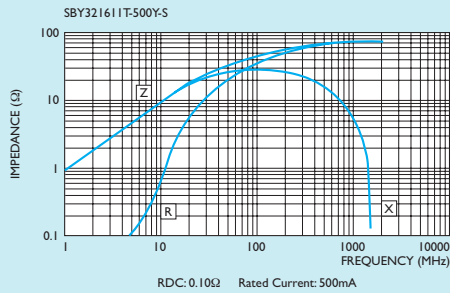
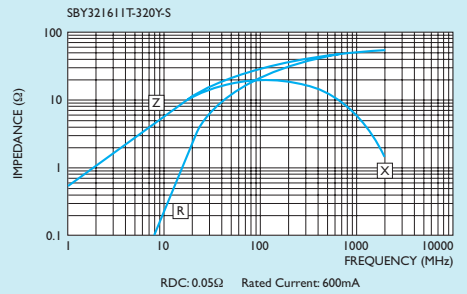
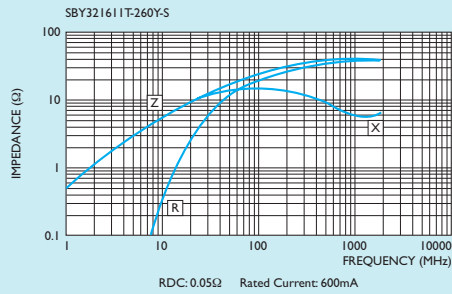
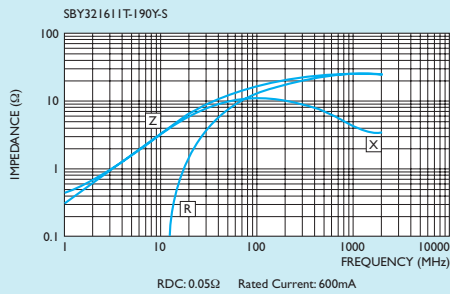
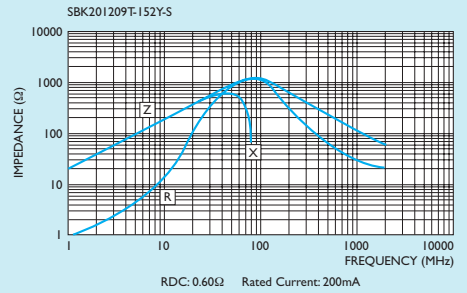
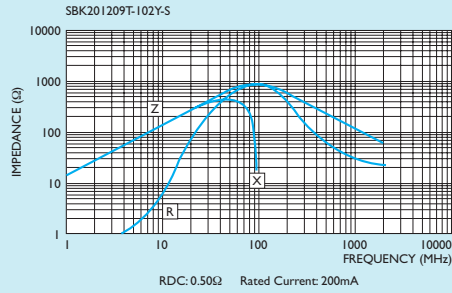
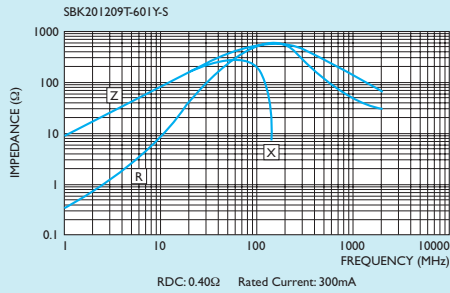
Test Instruments : HP4291A Impedance / Material Analyzer





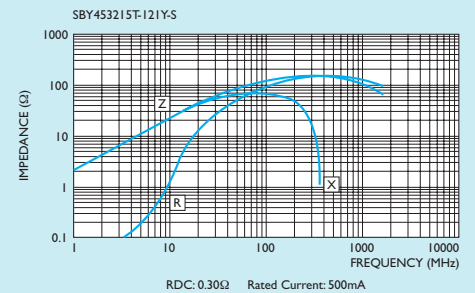
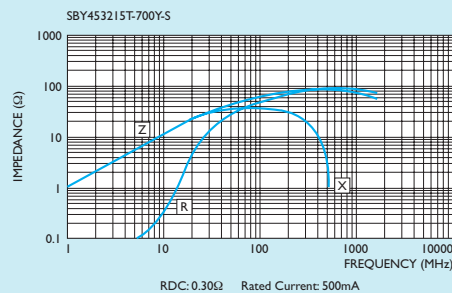
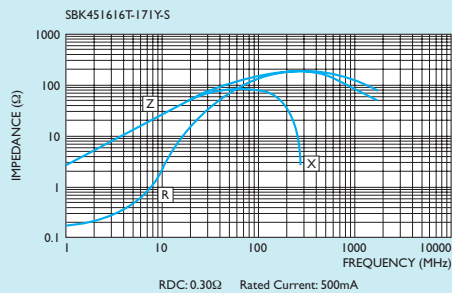
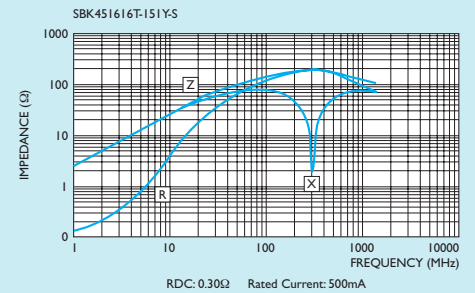
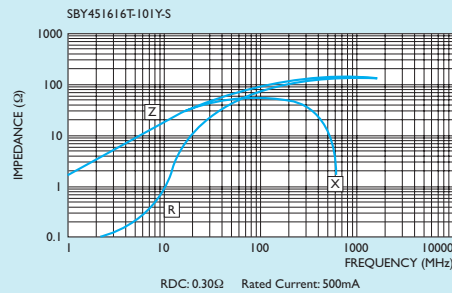
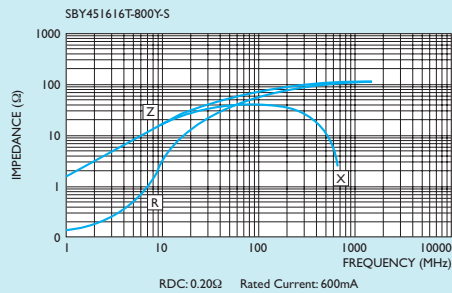
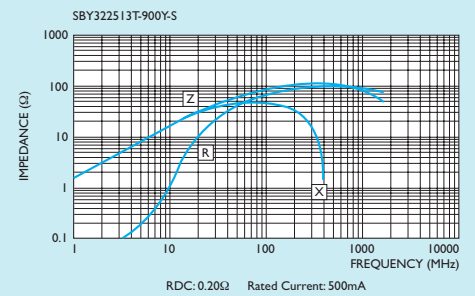
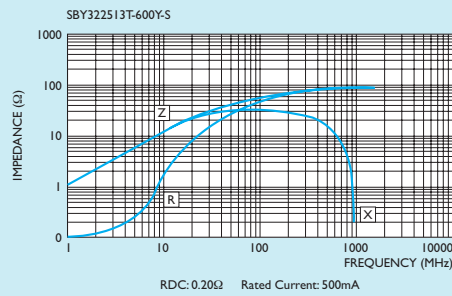
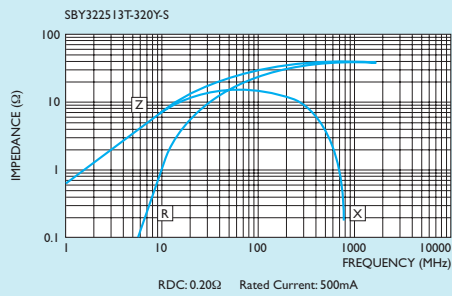
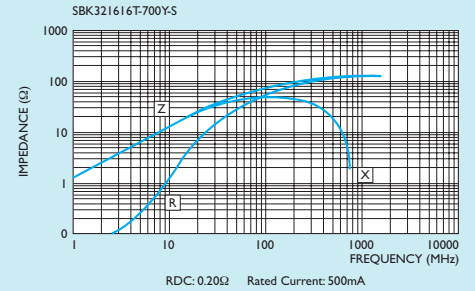
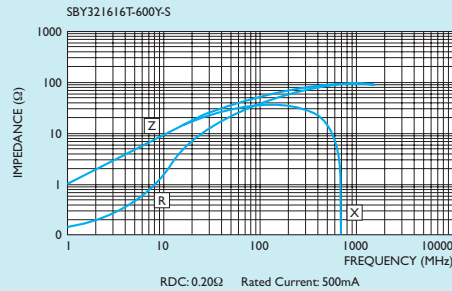
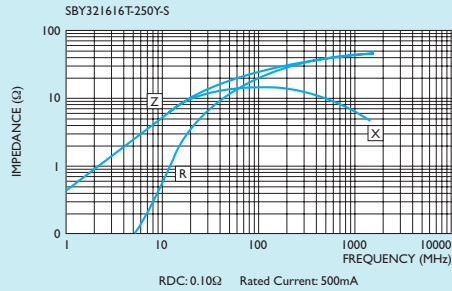
TYPICAL ELECTRICAL CHARACTERISTICS

Test Instruments : HP4291A Impedance / Material Analyzer

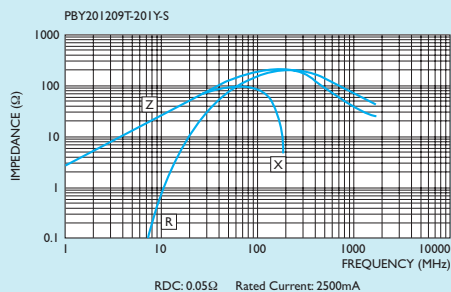


TYPICAL ELECTRICAL CHARACTERISTICS

Test Instruments : HP4291A Impedance / Material Analyzer

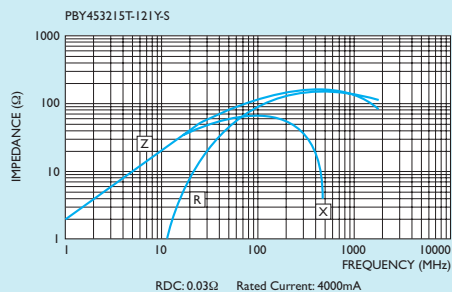
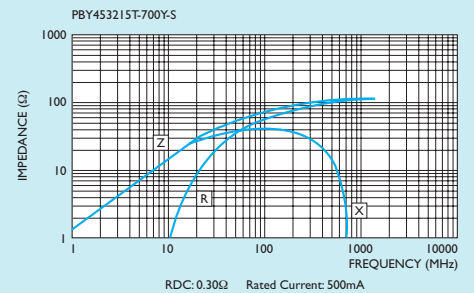
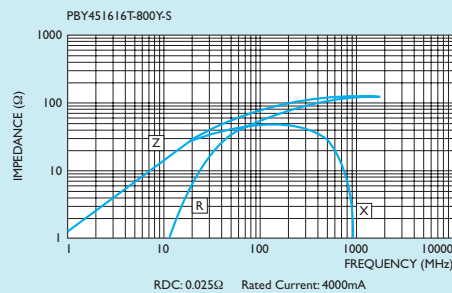
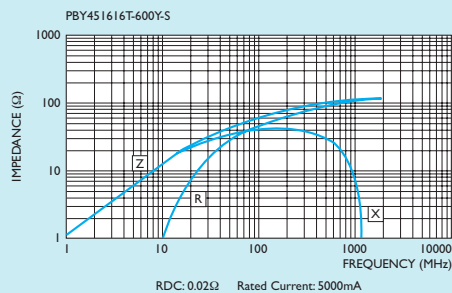
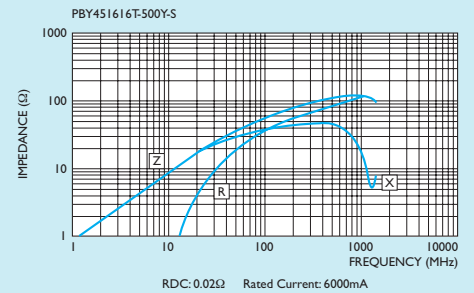
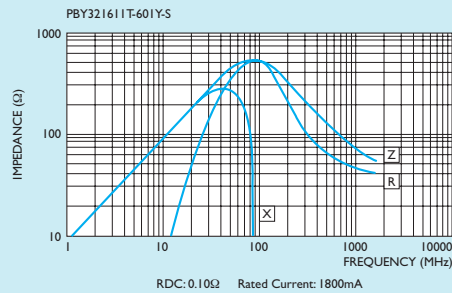
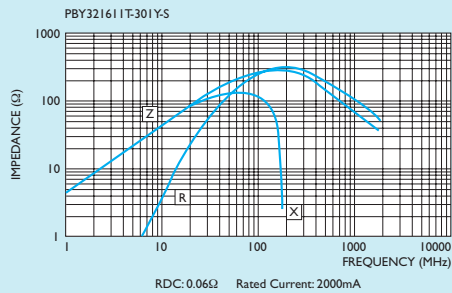
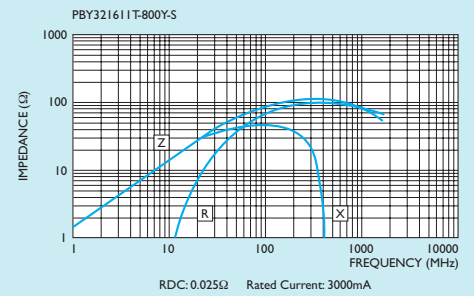
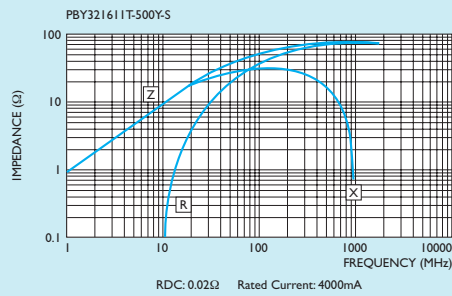
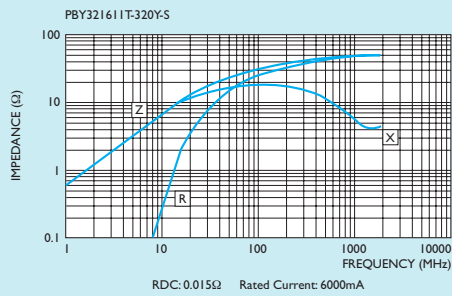
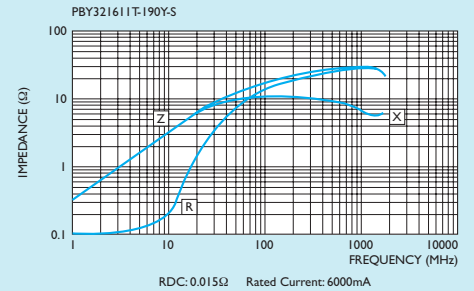
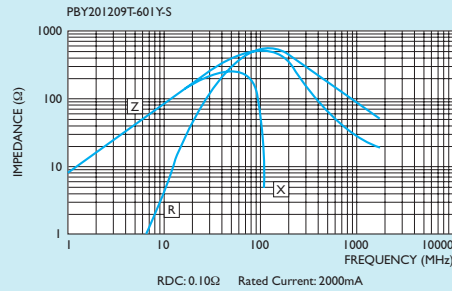
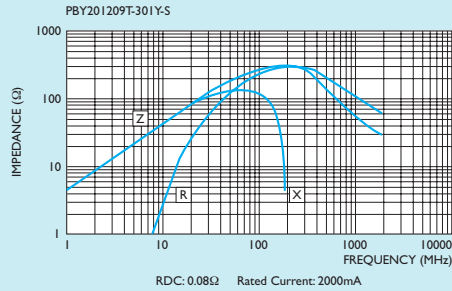


Test Instruments : HP4291A Impedance / Material Analyzer



TYPICAL ELECTRICAL CHARACTERISTICS

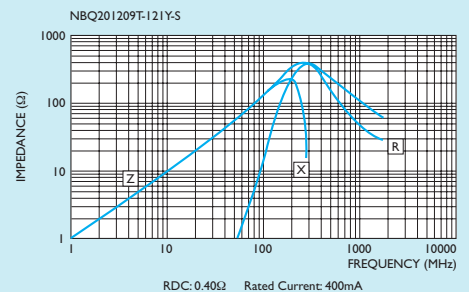
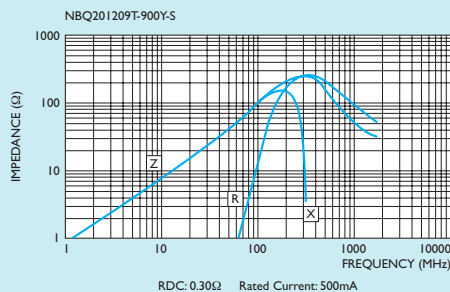
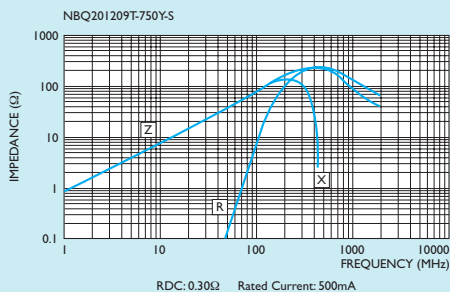
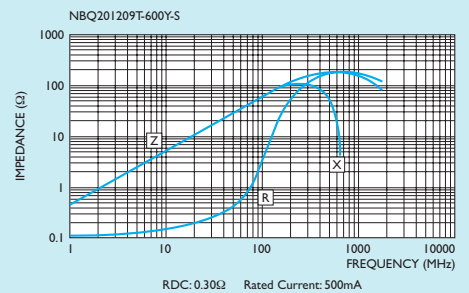
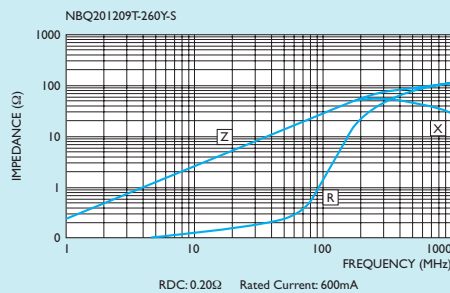
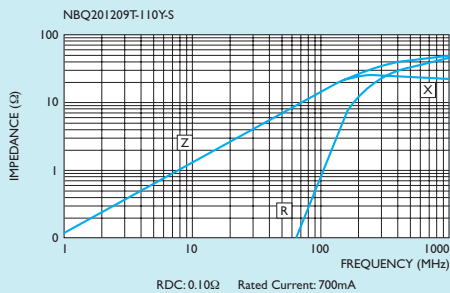
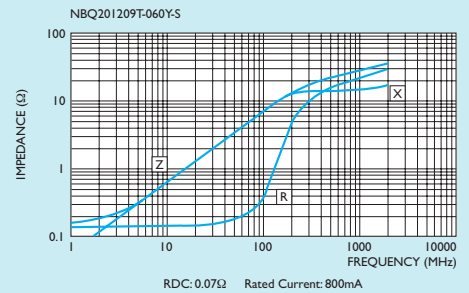
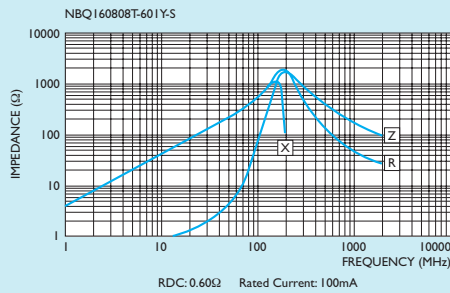
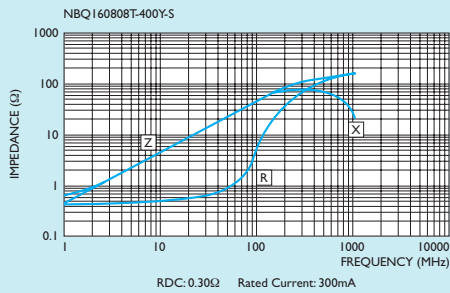
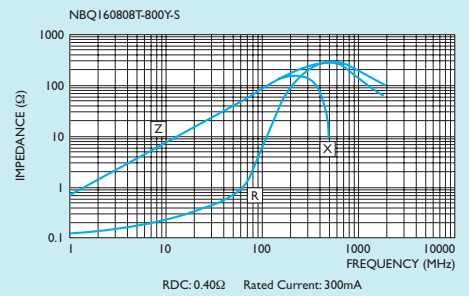
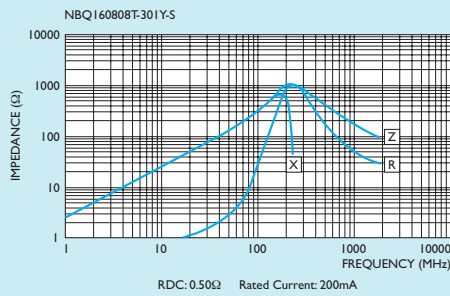
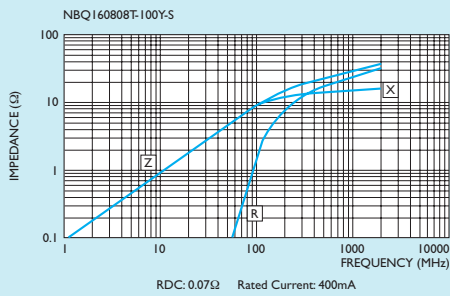
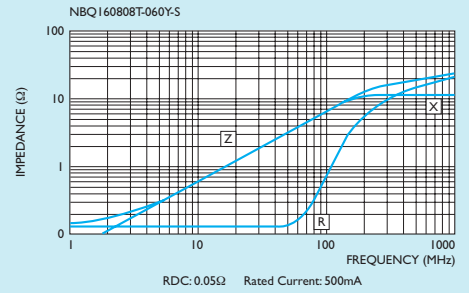
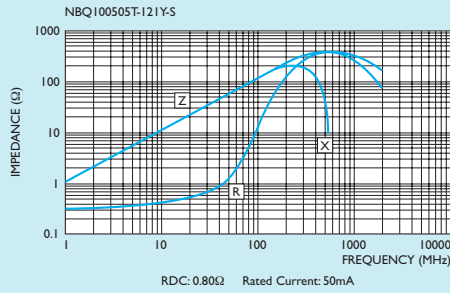
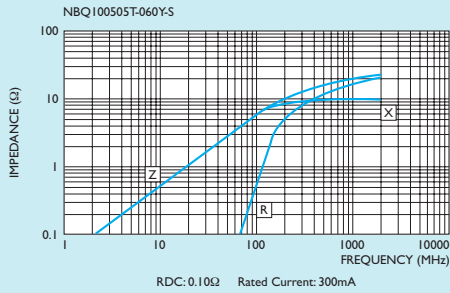
Test Instruments : HP4291A Impedance / Material Analyzer





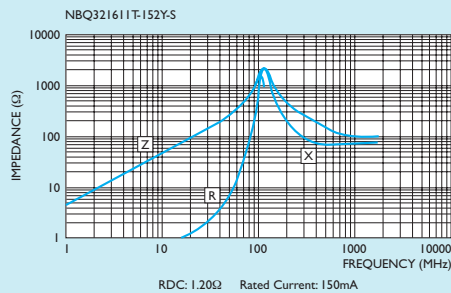
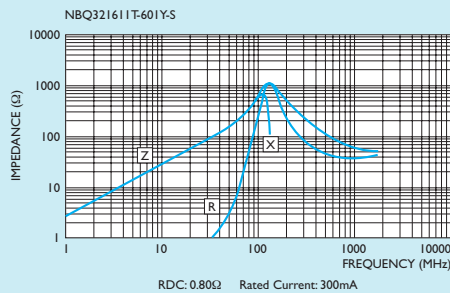
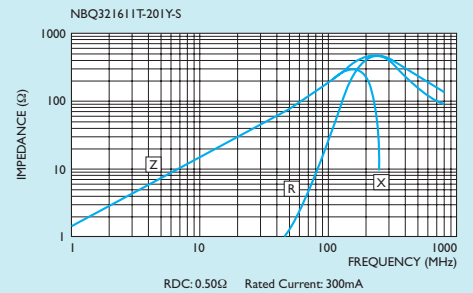
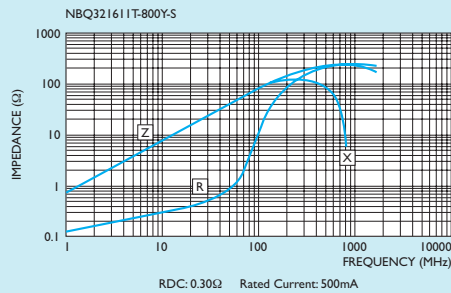
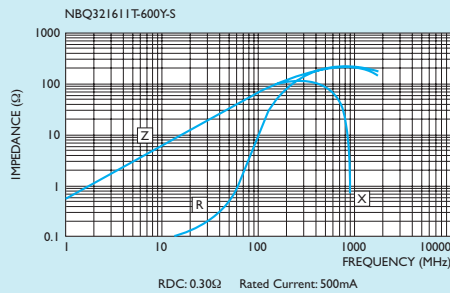
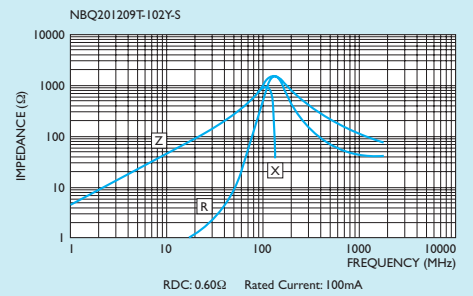
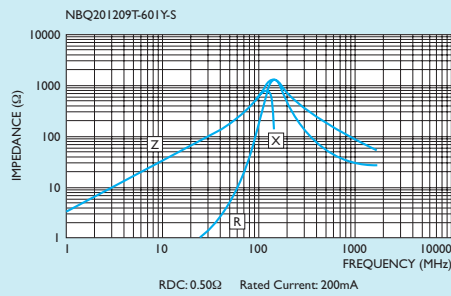
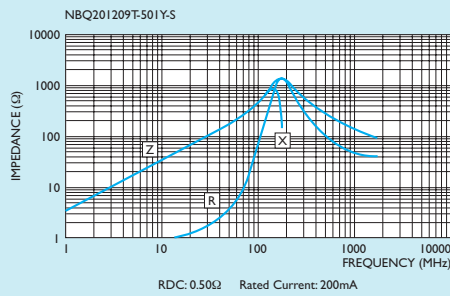
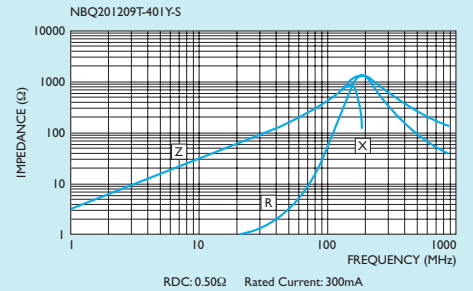
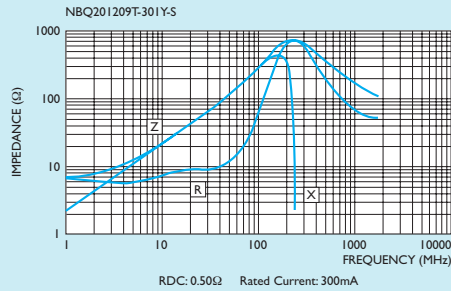
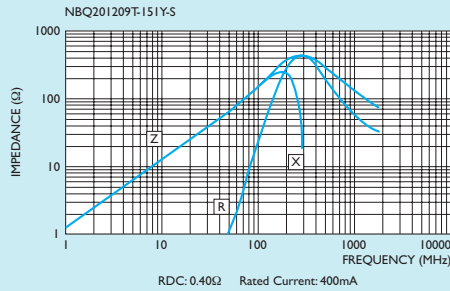
TYPICAL ELECTRICAL CHARACTERISTICS

Test Instruments : HP4291A Impedance / Material Analyzer



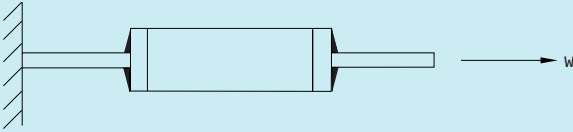
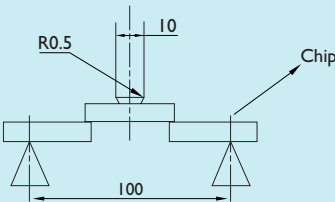
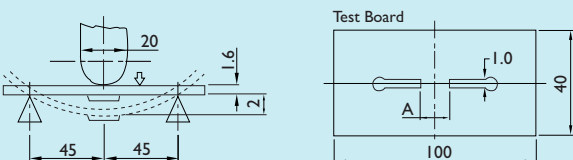
TYPICAL ELECTRICAL CHARACTERISTICS

Test Instruments : HP4291A Impedance / Material Analyzer





SB, PB, CL SERIES RELIABILITY TEST

NO.	ITEM	TEST CONDITIONS	REMARKS																
1	Thermal Shock (Temperature Cycle)	Temperature : -40°C, +85°C, Kept Stabilized For 30 Minutes Each Cycle : 100 Cycles	Inductance value shall be within $\pm 10\%$ of the initial value. Q-factor shall be within $\pm 30\%$ of the initial value. Impedance shall be within $\pm 20\%$ of the initial value.																
2	Humidity Resistance	Humidity : 90% to 95% RH Temperature : $40 \pm 2^\circ\text{C}$ Testing Time : 1000 ± 12 Hours	DCR value shall be within $\pm 20\%$ of the initial value. • No. 1-4 Measurement : After placing for 24 hours min. • No. 2-3 Applied current : Rated Current (Maximum Value)																
3	High Temperature Resistance	Temperature : $85 \pm 2^\circ\text{C}$ Humidity : 20% Testing Time : 1000 ± 12 Hours	• No. 5 Cycle : 5 Cycles																
4	Low Temperature Resistance	Temperature : $-40 \pm 2^\circ\text{C}$ Time : 1000 ± 12 Hours																	
5	Temperature and Humidity Cycle	<table border="1"> <thead> <tr> <th>Step</th><th>Temperature</th><th>Humidity</th><th>Time</th></tr> </thead> <tbody> <tr> <td>1</td><td>$25 \pm 2^\circ\text{C}$</td><td>95 ~ 100% RH</td><td>3 Hours</td></tr> <tr> <td>2</td><td>$55 \pm 2^\circ\text{C}$</td><td>95 ~ 96% RH</td><td>9.5 Hours</td></tr> <tr> <td>3</td><td>$25 \pm 2^\circ\text{C}$</td><td>95 ~ 100% RH</td><td>11.5 Hours</td></tr> </tbody> </table>	Step	Temperature	Humidity	Time	1	$25 \pm 2^\circ\text{C}$	95 ~ 100% RH	3 Hours	2	$55 \pm 2^\circ\text{C}$	95 ~ 96% RH	9.5 Hours	3	$25 \pm 2^\circ\text{C}$	95 ~ 100% RH	11.5 Hours	
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1	$25 \pm 2^\circ\text{C}$	95 ~ 100% RH	3 Hours																
2	$55 \pm 2^\circ\text{C}$	95 ~ 96% RH	9.5 Hours																
3	$25 \pm 2^\circ\text{C}$	95 ~ 100% RH	11.5 Hours																
6	Vibration	Frequency : 10 Hz to 55 Hz Amplitude : 1.5 mm Direction : X, Y, Z Time : 2 Hours Each																	
7	Solderability	Solder : H63A (Eutectic Solder) Solder Temperature : $230 \pm 5^\circ\text{C}$ Time : 3 ± 1 Second Flux : Rosin	More than 90% of the terminal electrode will be covered with solder.																
8	Soldering Heat Resistance	Solder : H63A (Eutectic Solder) Solder Temperature : $260 \pm 5^\circ\text{C}$ Flux : Rosin Dip Time : 10 ± 1 Seconds	The chip must have no cracks. More than 75% of the terminal electrode must be covered with solder.																
9	Terminal Strength		The terminal electrode and the ferrite must not be damaged by the forces applied on the test conditions. Spec : 100505 Series : ≥ 0.2 Kg 160808 Series : ≥ 0.5 Kg 201209 Series : ≥ 1.0 Kg Other Series : ≥ 2.0 Kg																
10	Bending Strength		The terminal electrode and the ferrite must not be damaged by the forces applied on the test conditions. Spec : 453215, 451616 : ≥ 8 Kg 321616, 321611, 322513 : ≥ 6 Kg 201209, 160808 : ≥ 3 Kg 100505 : ≥ 1 Kg																
11	Flexure Strength		No mechanical damage shall be noticed even when the board is bent 2 mm.																