

Surface Mount Filter Arrays SA Series

Features

- The filter's structure minimizes residual inductance with a high self resonant frequency, ensuring large insertion loss in a wide band.
- The common ground electrode built into the chip ensures complete grounding of all lines at the ground on both ends. The filter is designed to control cross talk.
- An optimum constant can be selected from the capacity range of 22-22,000 pF to best suit the frequency.
- Solder plated nickel barrier terminations offer good solderability and resistance to soldering heat.
- Available lead free/RoHs compliant

Applications

- Noise reduction for DC lines on computers
- Computer peripheral equipment
- Digital TV & VTR
- Cellular telephones
- Automotive electronics

Typical Electrical Characteristics

Rated Voltage 25 VDC to 50 VDC

Rated Current 0.3 Amps

IR 10,000 MΩ Min.

DC Resistance. 0.3 Ω Max.

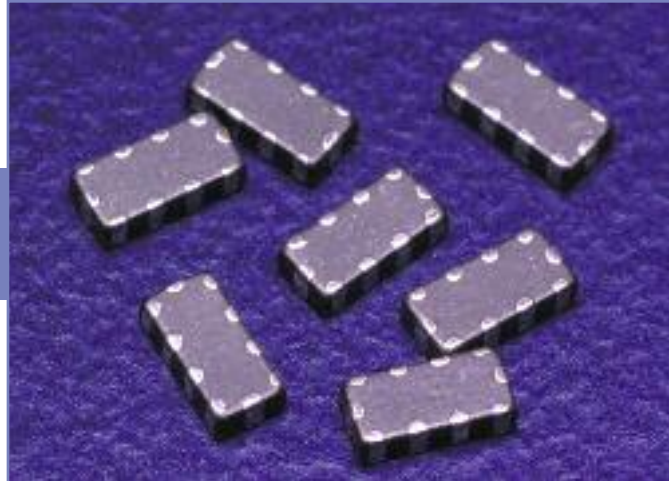
Temperature Range -55°C to +125°C

Capacitance Range 22 pF to 22,000 pF

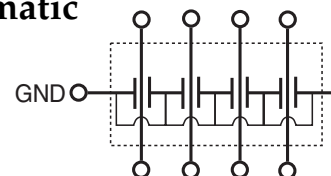
Capacitance Tolerance ±20%

Specifications

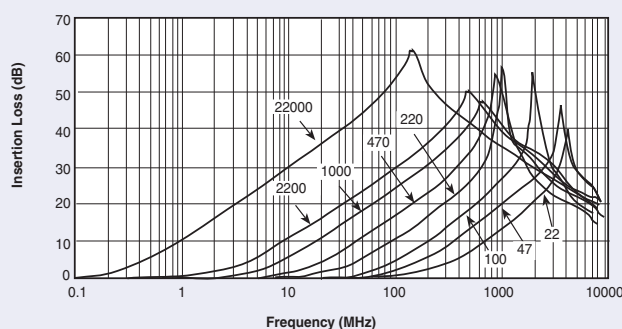
Part Number	Rated Voltage (@ 50/60Hz)	Rated Current	Temperature Characteristic	IR	DC Resistance	Operating Temp	Capacitance (pF)
SA1206C220	50 VDC	0.3A DC	C	10,000 MΩ min.	0.3Ω max.	-55/+125°C	22
SA1206C470			C				47
SA1206C101			C				100
SA1206C221			C				220
SA1206R471			U				470
SA1206R102			R				1,000
SA1206R222			R				2,200
SA1206R223	25 VDC		R				22,000



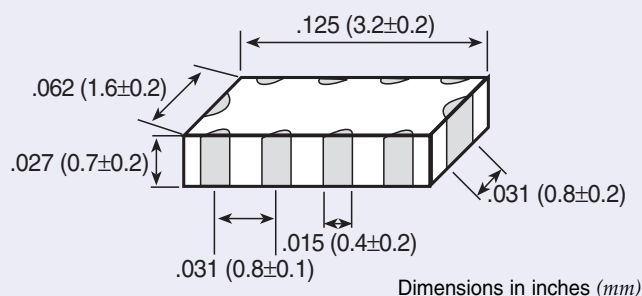
Circuit Schematic



Insertion Loss



Dimensions

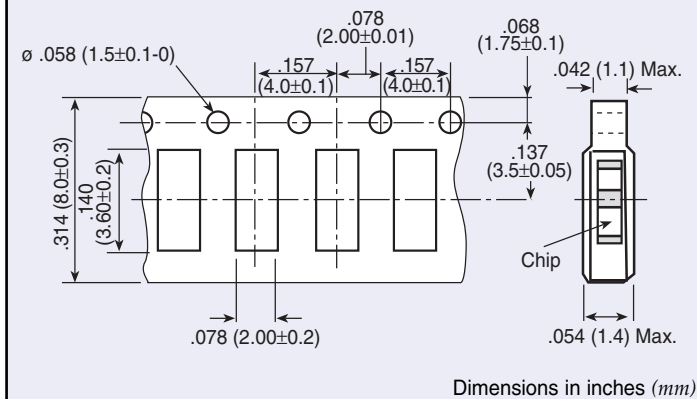


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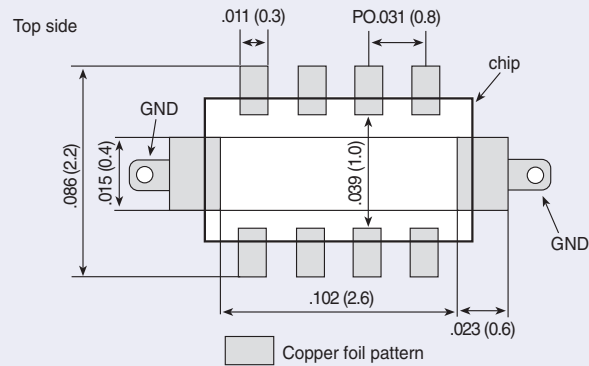
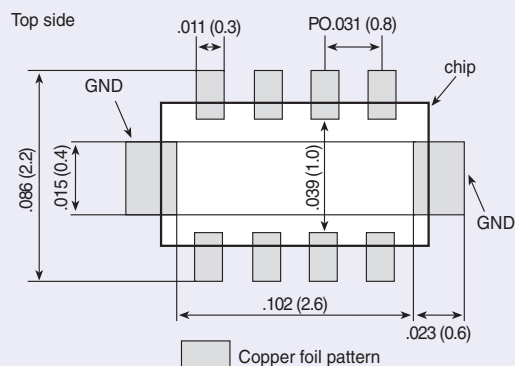
Ordering Information

SA	1206	C	220	M	B	N	B
Style	Size	Temperature Characteristics	Capacitance	Capacitance tolerance	Rated Voltage (Vdc)	Termination	Packaging
SA Series	1206	C +/- 30 ppm/°C R +/- 15% U -750 +/- 120 ppm/°C	22 pF 47 pF 100 pF 220 pF 470 pF 1,000 pF 2,200 pF 22,000 pF	M = ± 20%	A = 25 B = 50	N = Ni Barrier Solder Plated	T - Tape and reel 4,000 pc/reel B - Bulk pack 1,000 pcs/bag

SA Tape and Reel Packaging



Recommended Board Pattern



Dimensions in inches (mm)