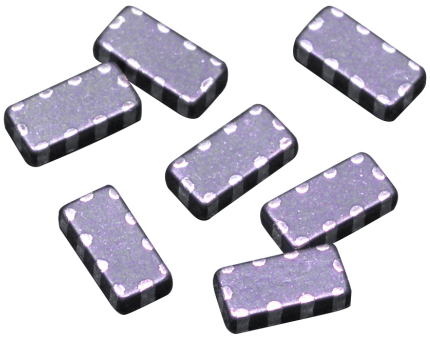
SA Series

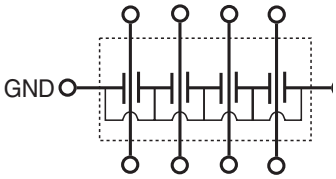
Surface Mount Filter Arrays



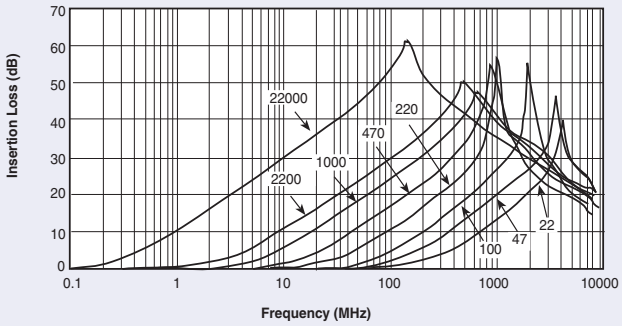
Features

- The filters 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

Circuit Schematic



Insertion Loss



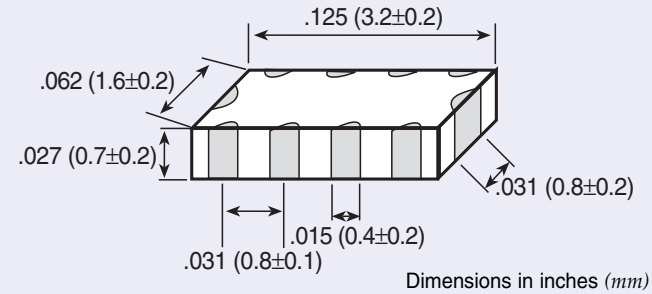
Applications

- Computer peripheral equipment
- Telecommunications equipment
- Power amplifiers
- Power supplies
- Temperature and motor controls

Typical Electrical Characteristics

Rated Voltage	25 VDC to 50 VDC
Rated Current	0.3 Amps
IR	10,000 MΩ Min.
DC Resistance	0.3Ω Max.
Temperature Range	-55°C to +125°C
Capacitance Range	22 pF to 22,000 pF
Capacitance Tolerance	±20%

Dimensions



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	10,000MΩ 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

SA Series

Surface Mount Filter Arrays - Ordering Information

SA	1206	C	220	M	B	N	T

Style
SA Series

Size
1206

Temperature Characteristics
C +/- 30 ppm/°C
R +/- 15%
U -750 +/- 120 ppm/°C

Capacitance
22pF
47pF
100pF
220pF
470pF
1,000pF
2,000pF
22,000pF

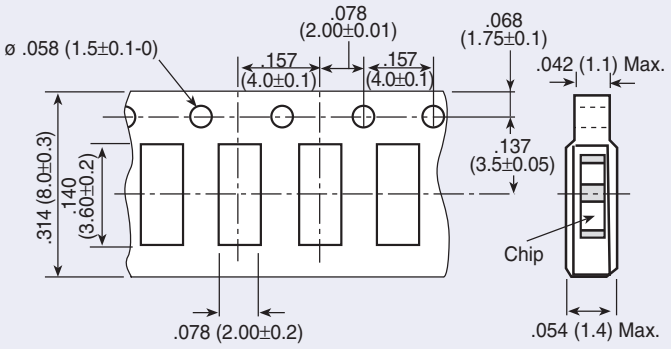
Capacitance Tolerance
M = +/- 20%

Rated Voltage (VDC)
A = 25
B = 50

Termination
N = Ni Barrier Solder Plated

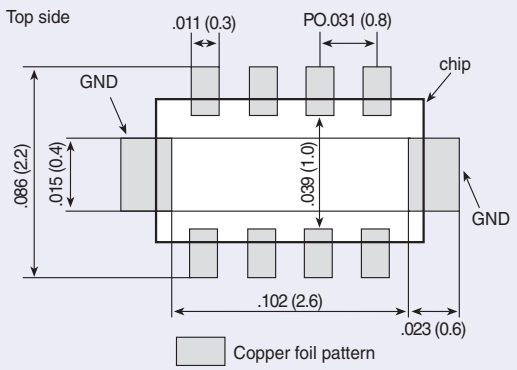
Packaging
T - Tape and reel 4,000 pc/reel

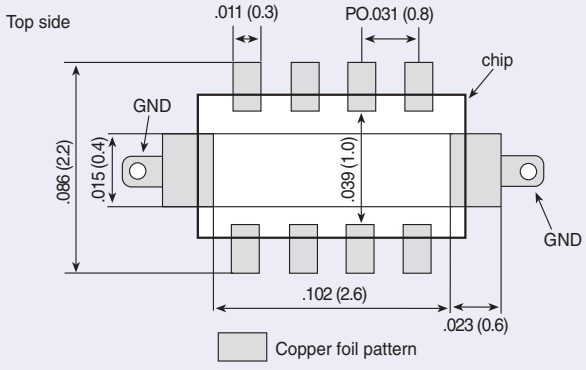
SA Tape and Reel Packaging

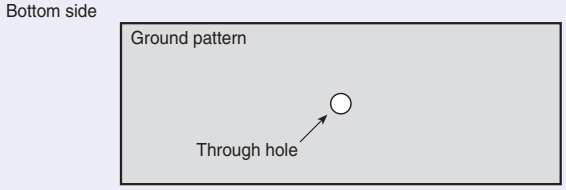


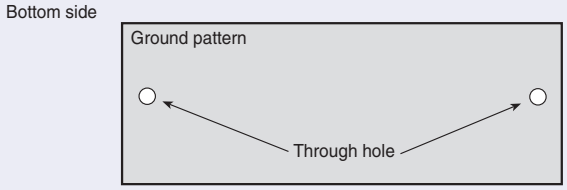
Dimensions in inches *(mm)*

Recommended Board Pattern









Dimensions in inches *(mm)*