

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.
- RoHS compliant/lead free

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

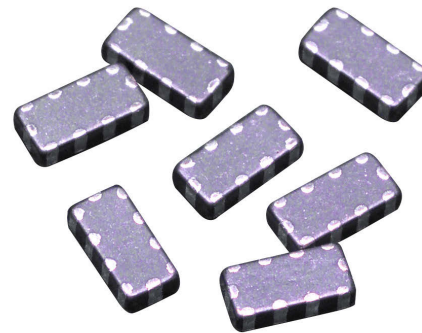
Capacitance Range 22 pF to 22,000 pF

Capacitance Tolerance ±20%

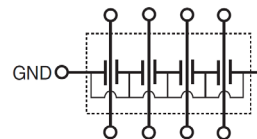
Specifications

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

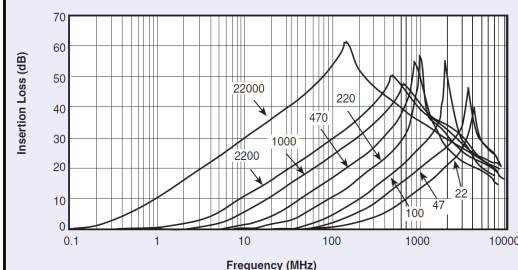
Approximate part weight: 18.07mg/pc.



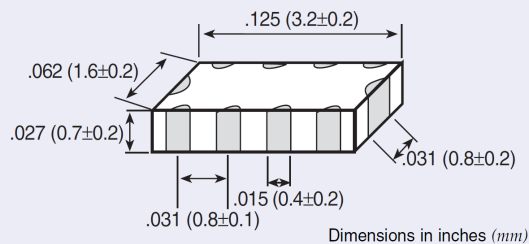
Circuit Schematic



Insertion Loss



Dimensions



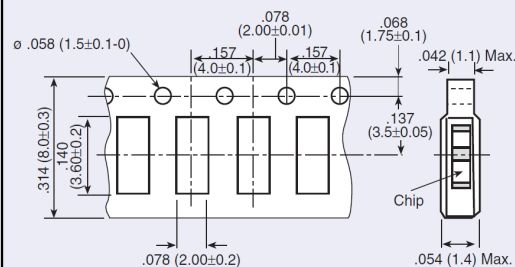
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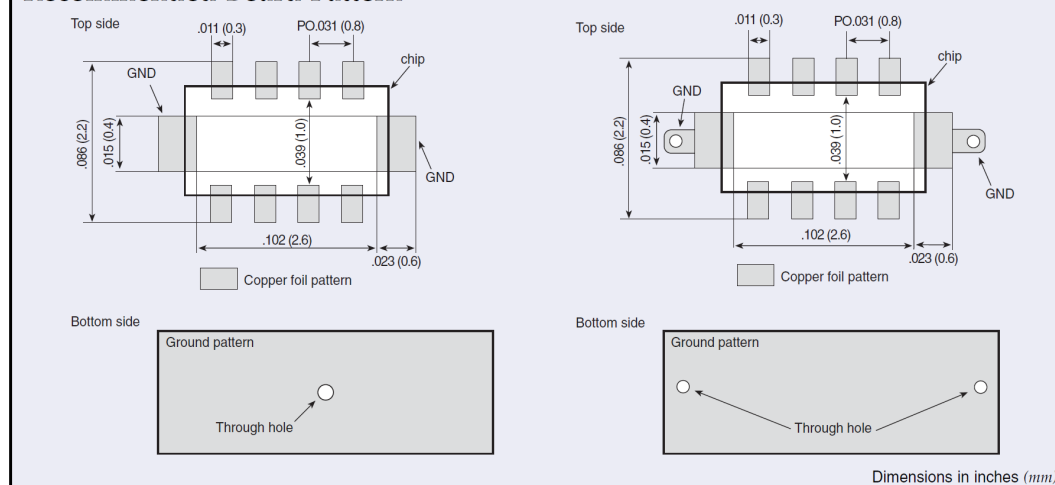
Ordering Information

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

SA Tape and Reel Packaging



Recommended Board Pattern



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Spectrum Control:](#)

[SA1206C101MBNT](#) [SA1206R222MBNT](#)