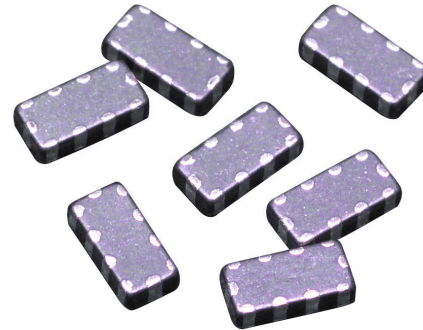


# SA Series

## 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

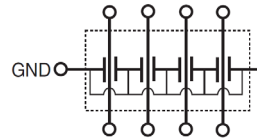
Rated Voltage	25 VDC to 50 VDC
Rated Current	0.3 Amps
IR	10,000 MΩ Min.
DC Resistance	0.3Ω Max.
Temperature Range	-55°C to +125°C
Capacitance Range	22 pF to 22,000 pF
Capacitance Tolerance	±20%

### Specifications

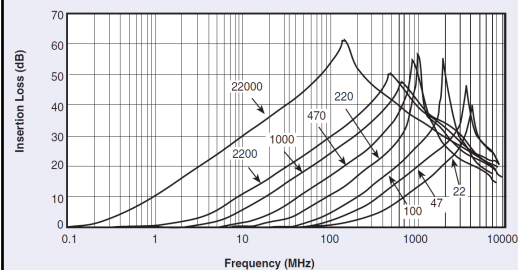
Part Number	Rated Voltage (@ 50/60Hz)	Rated Current	Temperature Characteristic	IR	DC Resistance	Operating Temp.	Capacitance (pF)
SA1206C220	50 VDC	0.3A DC	C	10,000MΩ min.	0.3Ω max.	-55/+125°C	22
SA1206C470			C				47
SA1206C101			C				100
SA1206C221			C				220
SA1206R471			U				470
SA1206R102			R				1,000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

Approximate part weight: 18.07mg/pc.

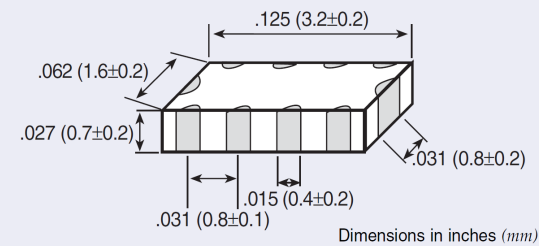
### Circuit Schematic



### Insertion Loss



### Dimensions

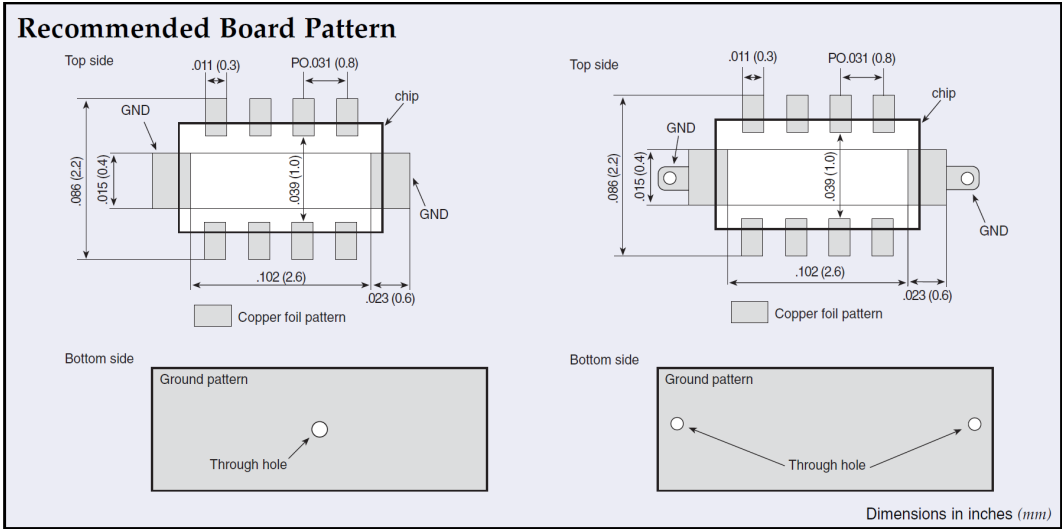
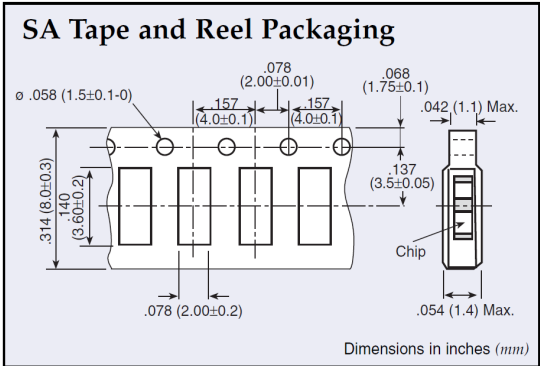


# SA Series

## Surface Mount Filter Arrays

### Ordering Information

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



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[NCB0603R301TR050F](#) [NCB0805A320TR050F](#) [NCB-H1206B680TR300F](#) [CZB1JGTTD221P](#) [CZB1JGTTD600P](#) [CZB2AGTTD301P](#)  
[CZB2BFTTE301P](#) [CZB2BFTTE601P](#) [4221R-1](#) [EMI0805R-600](#) [SBY100505T-100Y-N](#) [NCB-GH0402D121TR060F](#) [NCB0402P301TR005F](#)  
[NCB0603R152TR030F](#) [NCB0805A121TR050F](#) [NCB0805A301TR070F](#) [NCB3312K900TR500F](#) [NCB-H0805A221TR300F](#)  
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