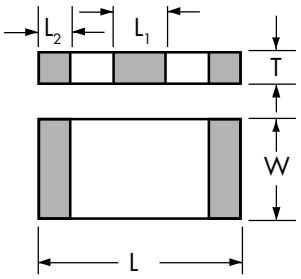


	1206		1806	
	mm	inches	mm	inches
L	3.2±0.3	0.126±0.012	4.5±0.35	0.177±0.012
W	1.6±0.2	0.063±0.008	1.6±0.2	0.063±0.008
T max	1.3	0.051	1.3	0.051
L1	0.95±0.3	0.037±0.012	1.4±0.3	0.055±0.012
L2	0.5±0.25	0.020±0.01	0.5±0.25	0.020±0.01

Circuit Configuration

C - SECTION

Specification

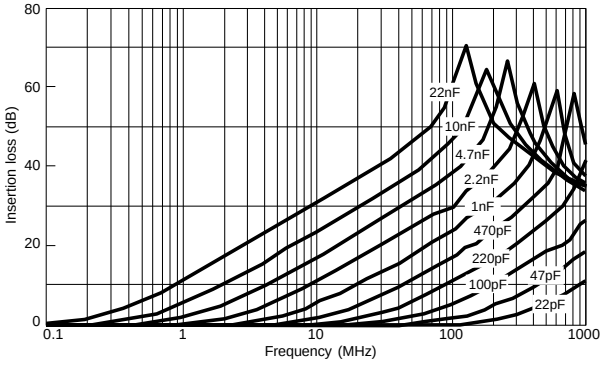
Electrical details	Mechanical details
Electrical Configuration *C Filters* **Capacitance Measurement** *At 1000hr point* **Rated Current** *1206 300 mA dc* *1806 300 mA dc* **Temperature Rating** *-55°C to 125°C* **DC Resistance** *0.35 Ohms Max* **Dielectric Withstand Voltage** Rated Voltage | D.W.V. *50 Vdc | 125 Vdc* *100 Vdc | 250 Vdc* **Insulation Resistance** *10,000 Mohm Min*	**Soldering Temperature** *For soldering information see page 36* **Termination Material** *Nickel barrier*

Available Range

1206		1806	
C0G	**X7R**	**C0G**	**X7R**
22pF	2.2nF	22pF	2.2nF
47pF	4.7nF	47pF	4.7nF
100pF	10nF/50V	100pF	10nF
220pF	22nF/50V	220pF	22nF
470pF		470pF	
1.0nF		1.0nF	
2.2nF		2.2nF	

All items are 100Vdc working except where shown.

Insertion Loss Characteristics



Notes: Typical performance is shown in the graph above.
The actual performance will be influenced by the amount of series inductance added by the interconnections.

Ordering information (3 Terminal Chips)

Example: 1206 J 100 0102 M X T E01

Chip Size

Termination
J = Nickel barrier

Working Voltage Vd.c.
050 = 50 Vd.c.
100 = 100 Vd.c.

Capacitance
First digit - zero
Second digit - First significant figure
Third digit - Second significant figure
Fourth digit - Number of zeros
e.g. 0472 = 4,700pF
or 1N36 = 1,360pF

Capacitance tolerance
M = +/- 20% (Standard)
P = -0 +100%
S = -20% +50%
Z = -20% +80%

Dielectric code
C = C0G
X = X7R

Packaging
T = Taped
B = Bulk
R = Large reel

EMI Filter

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