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## LTCC 1206 Multilayer Low-pass Filter

### Description

Miniature monolithic microwave low-pass filter.

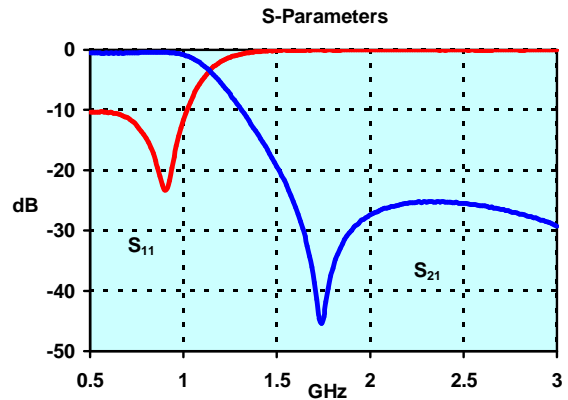
### Applications

Wireless communications from 800 MHz to 6 GHz,  
 e.g. DECT, PACS, PHS, GSM, DCS, PCS phones,  
 WLAN card, Bluetooth...



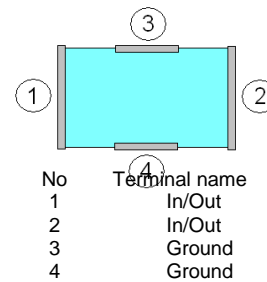
### Electrical Specification

Frequency band	0 to 900 MHz
Insertion loss in band	0.6 dB max
Input/output VSWR	1.8 : 1 max
Input power	2 W max
Characteristic Impedance	50 $\Omega$
Operating temperature	-40 °C to +85 °C
<b>Attenuation</b>	
1400 to 1600 MHz	10 dB min
1600 to 3000 MHz	25 dB min



### Mechanical Specification

Chip size	1206
Length (L1)	0.126" $\pm$ 0.012" (3.2 mm $\pm$ 0.3 mm)
Width (W)	0.063" $\pm$ 0.012" (1.6 mm $\pm$ 0.3 mm)
Thickness (H)	0.039" $\pm$ 0.008" (1 mm $\pm$ 0.2 mm)
Termination material	Nickel barrier (tin over nickel)
Solderability	IEC 60068-2-58
Printing	Parts are unprinted
Lead-free soldering	Fully compliant with ROHS and WEEE directives and compatible with lead free solders.



### Ordering Information

<b>1206</b> Chip Size	<b>J</b> Termination	<b>L</b> Filter type	<b>0900</b> Frequency	<b>JAA</b> Electrical specification	<b>B</b> Dielectric	<b>T</b> Packaging
	J = Nickel barrier	Low-pass	MHz		B = Low K	T = Taped (3000pcs) B = Bulk