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LTCC 1206 Multilayer Low-pass Filter

Description

Miniature monolithic microwave low-pass filter.

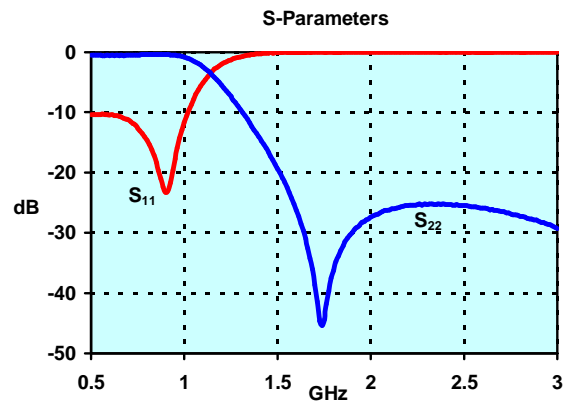
Applications

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



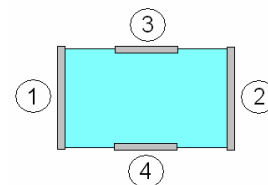
Electrical Specification

Frequency band	0 to 900 MHz
Insertion loss in band	0.6 dB max
Input/output VSWR	1.8 : 1 max
Input power	3 W max
Characteristic Impedance	50 Ω
Operating temperature	-40 °C to +85 °C
Attenuation	
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.



No	Terminal name
1	In
2	Out
3	Ground
4	Ground

Ordering Information

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