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## LTCC 0805 Multilayer Low-pass Filter

### Description

Ultra-miniature monolithic microwave low-pass filter.

### Applications

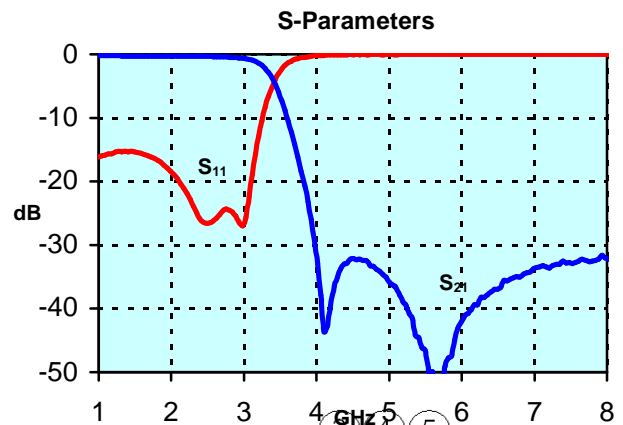
Wireless communications from 800MHz to 6GHz,  
 e.g. DECT, PACS, PHS, GSM, DCS, PCS phones,  
 WLAN card, Bluetooth...



### Electrical Specification

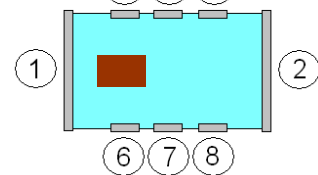
Frequency band	0 to $2.45 \pm 0.05$ GHz ( $f_0$ )
Insertion loss in band	0.5 dB max
VSWR	1.8 : 1 max
Input power	1 W max
Characteristic Impedance	50 $\Omega$
Operating temperature	-40 °C to +85 °C

Attenuation	
at $2f_0$	27 dB min
at $3f_0$	25 dB min
at $4f_0$	25 dB min



### Mechanical Specification

Chip size	0805
Length (L1)	0.08" $\pm$ 0.004" (2.0 mm $\pm$ 0.1 mm)
Width (W)	0.049" $\pm$ 0.004" (1.25 mm $\pm$ 0.1 mm)
Thickness (H)	0.037" $\pm$ 0.004" (0.95 mm $\pm$ 0.1 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, 5, 6, 8	Ground
4, 7	NC

### Ordering Information

<b>0805</b> Chip Size	<b>J</b> Termination J = Nickel barrier	<b>L</b> Filter type Low-pass	<b>2400</b> Frequency MHz	<b>FAA</b> Electrical specification	<b>B</b> Dielectric B = Low K	<b>T</b> Packaging T = Taped (4000pcs) B = Bulk
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