

PRODUCT SPECIFICATION

High Performance Harmonic Low Pass Filter LP1206A0512BNTR

ITF TECHNOLOGY

The ITF LGA Filter is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

The ITF Filter is offered in a variety of frequency bands compatible with various types of high frequency wireless systems.

FEATURES:

- Small size: 1206
- Frequency: 512MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS:

- Mobile communications
- Satellite TV receivers
- GPS
- Vehicle location systems
- Wireless LAN's

FINAL QUALITY INSPECTION :

Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:

- Static Humidity: 85°C, 85% RH, 160 hours
- Endurance : 125°C, IR, 4 hours

TERMINATION:

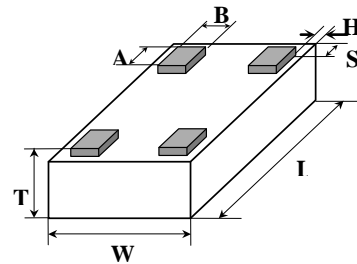
Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

PART NUMBER CODE:

LP 1206 A XXXX BNTR
Frequency
(MHz)

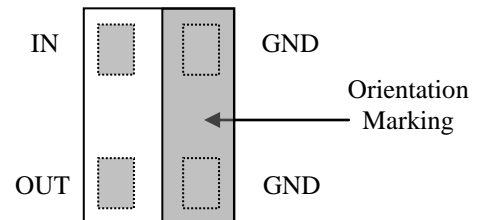
POWER RATING: 3W continuous

DIMENSIONS - mm (inches) (Bottom View)

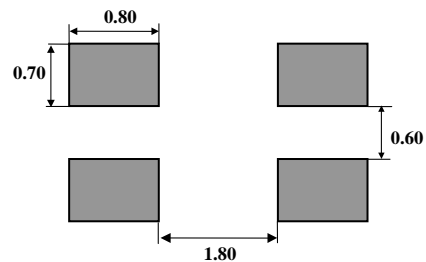


L	3.10±0.10 (0.122±0.004)	A	0.39±0.10 0.015±0.004
W	1.60±0.10 (0.063±0.004)	B	0.33±0.10 0.013±0.004
T	0.60±0.30 (0.024±0.012)	H,S	0.05±0.05 (0.002±0.002)

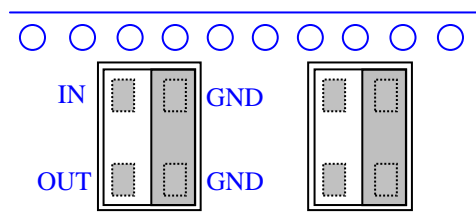
TERMINALS (Top View)



Recommended Pad Layout (mm)



Orientation in Tape



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ELECTRICAL CHARACTERISTICS

LP1206A0512BNTR			
Parameter	Value	Unit	Notes
Fc	512	MHz	
Rejection @720MHz	-35	dB	Min. (720MHz to 2GHz)
Insertion Loss	0.8	dB	Max.
VSWR	2.3 : 1		Max. (all ports)
Power Handling	3	W	Avg.
Impedance	50	Ohm	
Operating Temp.	-40 to +85	degC	
Size	1206		

TYPICAL ELECTRICAL PERFORMANCE

