

# High Performance Low Pass Filter

## LP1206A0600ANTR



### 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: 600MHz
- 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.

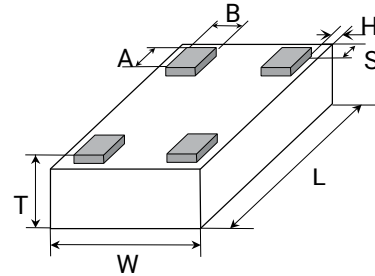
### PART NUMBER CODE:

LP 1206 A XXXX ANTR  
Frequency  
(MHz)

### POWER RATING:

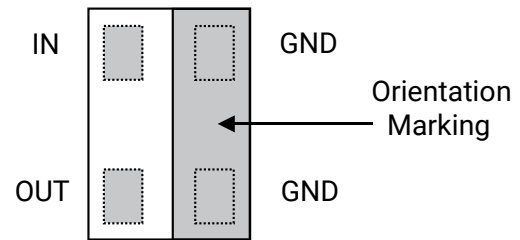
12W continuous

### DIMENSIONS - mm (inches) (Bottom View)

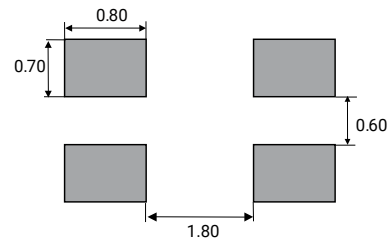


<b>L</b>	3.10±0.10 (0.122±0.004)	<b>A</b>	0.39±0.10 0.015±0.004
<b>W</b>	1.60±0.10 (0.063±0.004)	<b>B</b>	0.33±0.10 0.013±0.004
<b>T</b>	0.60±0.30 (0.024±0.012)	<b>H, S</b>	0.05±0.05 (0.002±0.002)

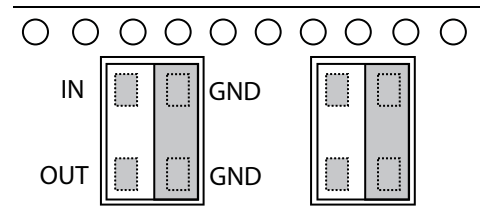
### TERMINALS (Top View)



### RECOMMENDED PAD LAYOUT (mm)



### ORIENTATION IN TAPE



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## ELECTRICAL CHARACTERISTICS

LP1206A0600ANTR			
Parameter	Value	Unit	Notes
Fc	600	MHz	
Rejection	-40	dB	Min. @900MHz
Rejection	-40	dB	Typ. 900MHz to 3.1GHz
I.Loss @ 600MHz	-0.8	dB	Max.
R.Loss @ 600MHz	-20	dB	typ.
Power Handling	12	W	RF cont.
Impedance	50	Ohm	
Operating Temp.	-40 to +85	degC	
Size	1206		

## TYPICAL ELECTRICAL PERFORMANCE

