

High Performance Low Pass Filter

LP1206A6000ANTR



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: 6000MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +100°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.

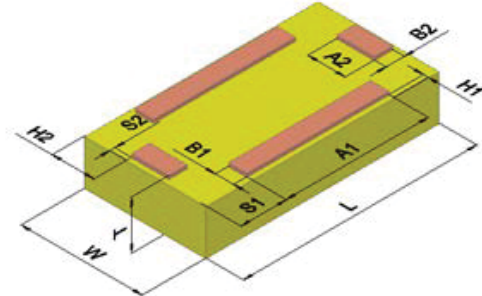
PART NUMBER CODE:

LP 1206 A XXXX ANTR
Frequency
(MHz)

POWER RATING:

12W continuous

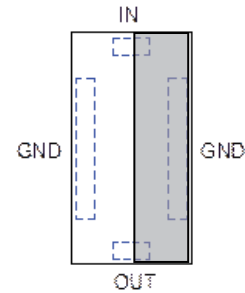
DIMENSIONS - mm (inches) (Top View)



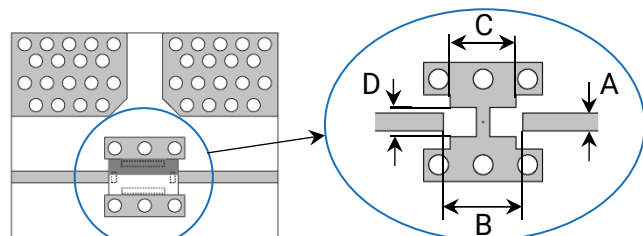
L	3.1±0.1
W	1.6±0.1
T	0.6±0.3
A1	1.9±0.1
B2	0.5±0.1

B1, B2	0.25±0.1
H1	0.06±0.06
H2	0.56±0.10
S1	0.61±0.1
S2	0.06±0.06

TERMINALS AND LAYOUT (Top View)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025	C	2.0±0.04
B	2.4±0.04	D	0.88±0.04

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ELECTRICAL CHARACTERISTICS

LP1206A6000ANTR			
Parameter	Value	Unit	Notes
Fc	6000	MHz	
Rejection	-35	dB	Min. 8.4-18GHz
Insertion Loss	-0.6	dB	Max.(6GHz)
R.Loss 0-6GHz	-20	dB	
Power Handling	12	W	RF Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +100	degC	
Size	1206		

