

PRELIMINARY SPECIFICATION

High Performance Low Pass Filter LP0805H8000ANTR

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: 0805
- Frequency: 8000MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS:

- Base Stations.
- Mobile communications
- Satellite TV receivers
- 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.

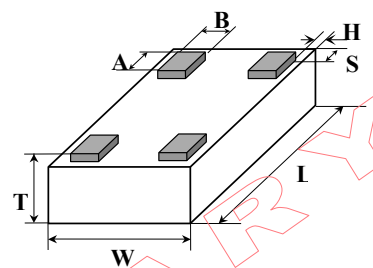
PART NUMBER CODE:

LP 0805 A 8000 ANTR
Frequency
(MHz)

POWER RATING: 3W continuous

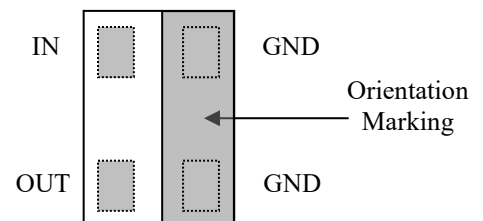
DIMENSIONS - mm (inches)

(Bottom View)

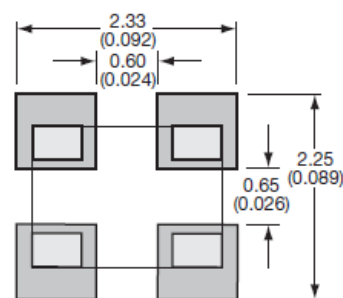


L	2.03±0.1 (0.080±0.004)	A	0.39±0.10 0.015±0.004
W	1.55±0.1 (0.061±0.004)	B	0.33±0.10 0.013±0.004
T	1.02±0.1 (0.040±0.004)	H,S	0.05±0.05 (0.002±0.002)

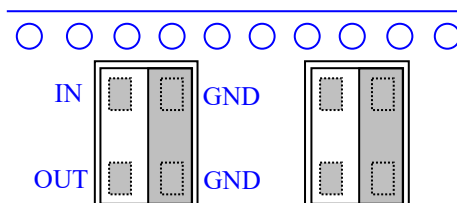
TERMINALS (Top View)



Recommended Pad Layout (mm)



Orientation in Tape



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ELECTRICAL CHARACTERISTICS

LP0805H6000ANTR			
Parameter	Value	Unit	Notes
Fc	8000	MHz	
Insertion Loss	0.7	dB	Max.
Return Loss@ 8000MHz	-25	dB	Min.
Rejection @ 16GHz	-20	dB	
Rejection @ 24GHz	-25	dB	
Power Handling	3	W	Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	degC	
Size	0805		

TYPICAL ELECTRICAL PERFORMANCE

