

## PRELIMINARY SPECIFICATION



# High Performance Low Pass Filter LP1206A0700ANTR

#### **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: 1206Frequency: 700MHz

• Characteristic impedance:  $50\Omega$ 

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:**

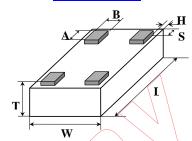
Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

#### PART NUMBER CODE:

LP 1206 A XXXX BNTR Frequency (MHz)

**POWER RATING:** 3W continuous

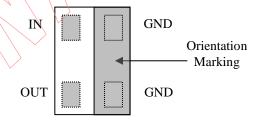
### DIMENSIONS - mm (inches) (Bottom View)



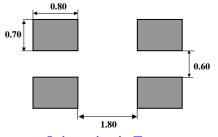
L	3.10±0.10 (0.122±0.004)
w	1.60±0.10 (0.063±0.004)
Т	0.60±0.30 (0.024±0.012)

$\sqrt{\chi}$	0.39±0.10
) ^	0.015±0.004
В	0.33±0.10
	0.013±0.004
H,S	0.05±0.05
	(0.002±0.002)

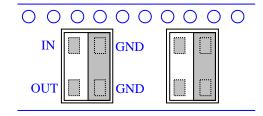
#### TERMINALS (Top View)



#### Recommended Pad Layout (mm)



**Orientation in Tape** 





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#### **ELECTRICAL CHRACTERISTICS**

<u>LP1206A0700ANTR</u>					
<u>Parameter</u>	<u>Value</u>	<u>Unit</u>	Notes		
Fc	700	MHz			
Rejection @900MHz	-35	dB	Min. (900MHz to 2GHz)		
Insertion Loss	0.9	dB	Max.		
VSWR	2.3:1		Max. (all ports)		
Power Handling	3	W	Continuous		
Impedance	50	Ohm			
Operating Temp.	-40 to +85	degC			
Size	1206				

#### TYPICAL ELECTRICAL PERFORMANCE

