

# High Performance Low Pass Filter

## LP1206A2000ASTR



### ITF TECHNOLOGY

The ITF SMD 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: 2000MHz
- Sharp attenuation slope
- Characteristic impedance: 50Ohm
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

### 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

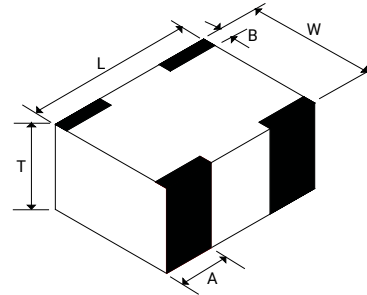
### TERMINATION:

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

### PART NUMBER CODE:

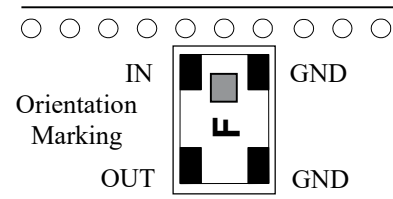
LP 1206 A XXXX ASTR  
Frequency  
(MHz)

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

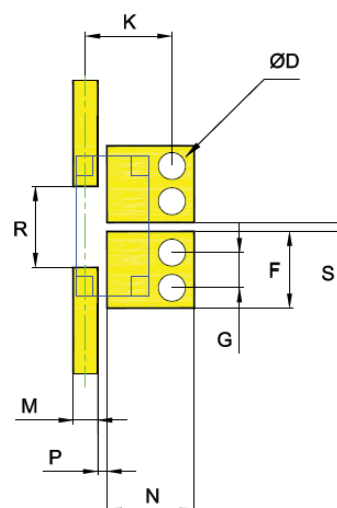


<b>L</b>	3.08±0.1 (0.121±0.004)
<b>W</b>	1.60±0.1 (0.063±0.004)
<b>T</b>	0.87±0.1 (0.034±0.004)
<b>A</b>	0.61±0.25 (0.028±0.010)
<b>B</b>	0.35±0.15 (0.014±0.006)

### TERMINALS (Top View)



### RECOMMENDED PAD LAYOUT (mm)



<b>F</b>	1.70±0.05
<b>G</b>	0.78±0.05
<b>K</b>	1.91±0.10
<b>M</b>	0.54±0.025
<b>N</b>	1.93±0.05
<b>P</b>	0.21±0.04
<b>R</b>	1.80±0.04
<b>S</b>	0.20±0.04
<b>D</b>	0.6±0.1

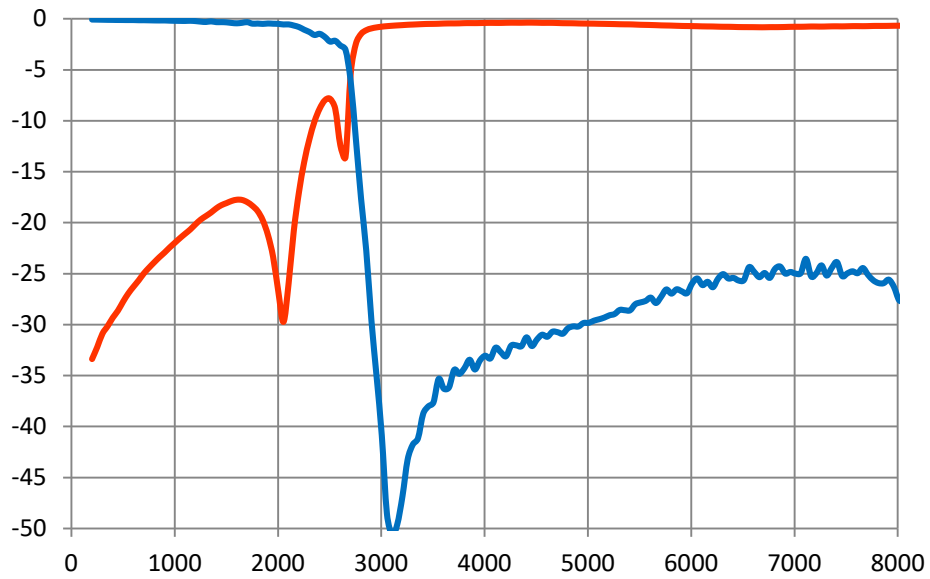
# High Performance Low Pass Filter

LP1206A2000ASTR



## ELECTRICAL CHARACTERISTICS

P/N	I.Loss @ 2000MHz	R.Loss @ 2000MHz	ATTENUATION [min.]
LP1206A2000ASTR	0.7dB max.	-15dB	-27dB at 3000-4000MHz -25dB at 4000-6000MHz -20dB at 6000-8000MHz



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