

## ATC 1206 LPF Series High Performance Thin Film Low Pass Filter

### Features:

- Sharp Cut-off Response
- Excellent Stopband rejection
- Characteristic Impedance: 50Ω
- No External Matching
- Low Insertion Loss
- Operating Temp: -40°C to +85°C
- Low Profile LGA SMT EIA Package
- Pb Free / RoHS Compliant

ATC's 1206 HP LPF Series High Performance Thin Film SMT Low Pass Filters offer superb high frequency performance in a low profile EIA style package. The 1206 HP LPF Series offers sharp cut-off response, excellent stopband rejection, low passband insertion loss with 50 ohm input and output impedance characteristics. Their superb performance makes them well suited for the most demanding wireless frequency applications.

The LPF 1206 filter Series is fully tested to meet or exceed electrical, environmental and mechanical specifications. They are supplied in tape and reel making them fully compatible with high speed automated pick-and-place manufacturing.



### Applications:

- Wireless Communications (Cellular and PCS)
- Wireless LAN's
- Public Safety Radio (P25)
- LTE
- ISM
- Global Navigation Satellite Systems (GNSS)

Part Number	Passband (MHz)
LPF1206HP0512L	0 to 512
LPF1206HP0700L	0 to 700



**AMERICAN TECHNICAL CERAMICS**

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**www.atceramics.com**

ATC # 001-1157  
Rev. B, 1/17

# ATC 1206 HIGH PERFORMANCE LOW PASS FILTER

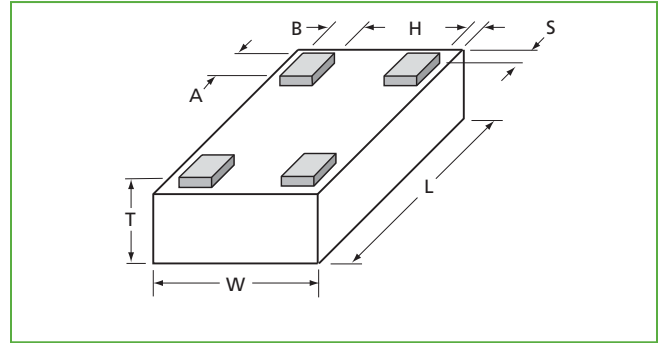
## Dimensions

Size (EIA)	Length (L)	Width (W)	Thickness (T)
1206	0.122 ± 0.004 (3.10 ± 0.10)	0.063 ± 0.004 (1.60 ± 0.10)	0.024 ± 0.012 (0.60 ± 0.30)

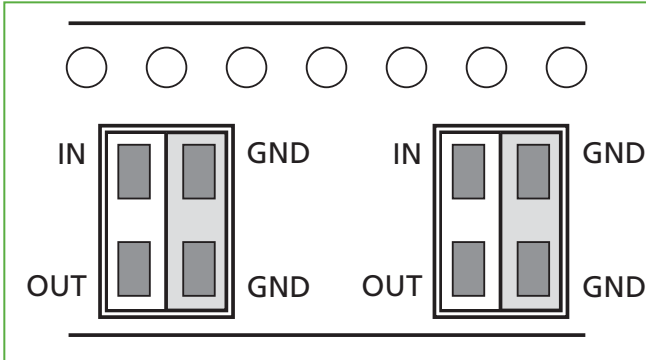
inches (mm)

A	B	H, S
0.015 ± 0.004 (0.39 ± 0.10)	0.013 ± 0.004 (0.33 ± 0.10)	0.002 ± 0.002 (0.05 ± 0.05)

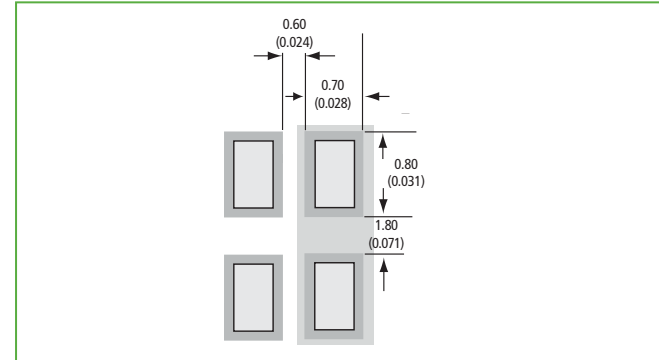
## Mechanical Configurations



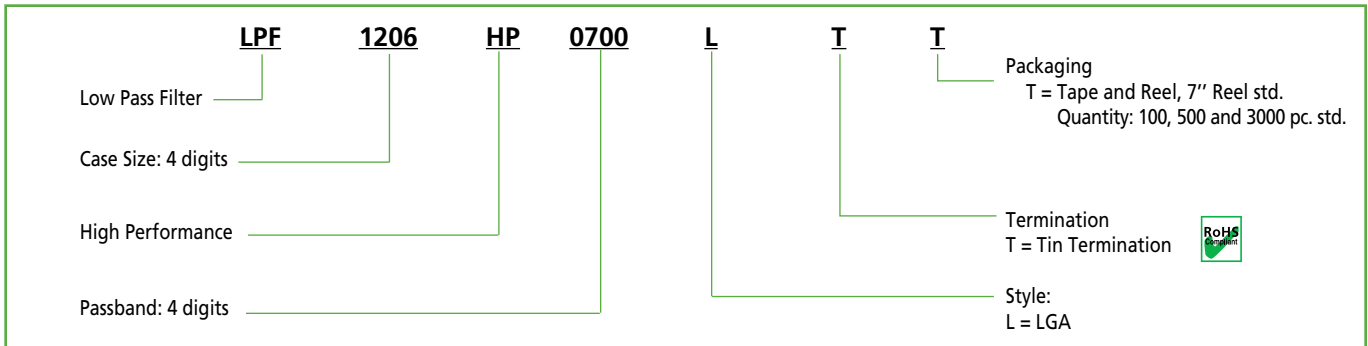
## Terminals and Orientation in Tape (Top View)



## Recommended Pad Layout Dimensions



## ATC Part Number Code



The above part number refers to a Low Pass Filter, (EIA case size 1206), High Performance, Passband DC to 700 MHz, LGA (L) Style, Tin Termination

ATC accepts orders for our parts using designations *with* or *without* the "ATC" prefix. Both methods of defining the part number are equivalent, i.e., part numbers referenced with the "ATC" prefix are interchangeable to parts referenced without the "ATC" prefix. Customers are free to use either in specifying or procuring parts from American Technical Ceramics.

For additional information and catalogs contact your ATC representative or call direct at +1-631-622-4700.

Consult factory for additional performance data.

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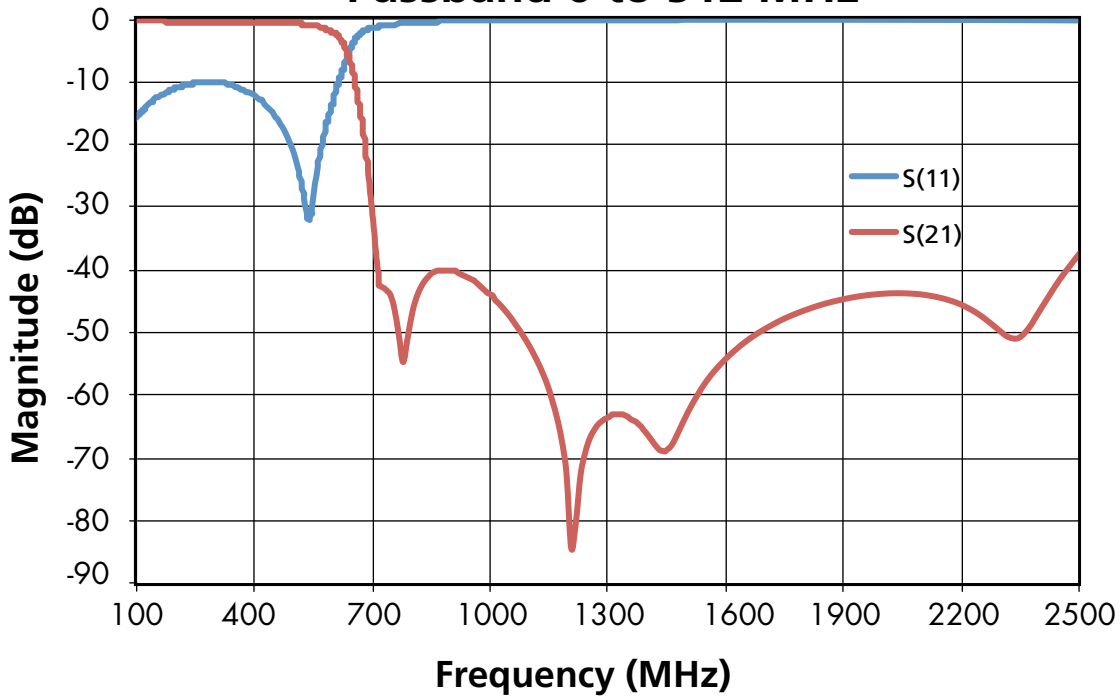
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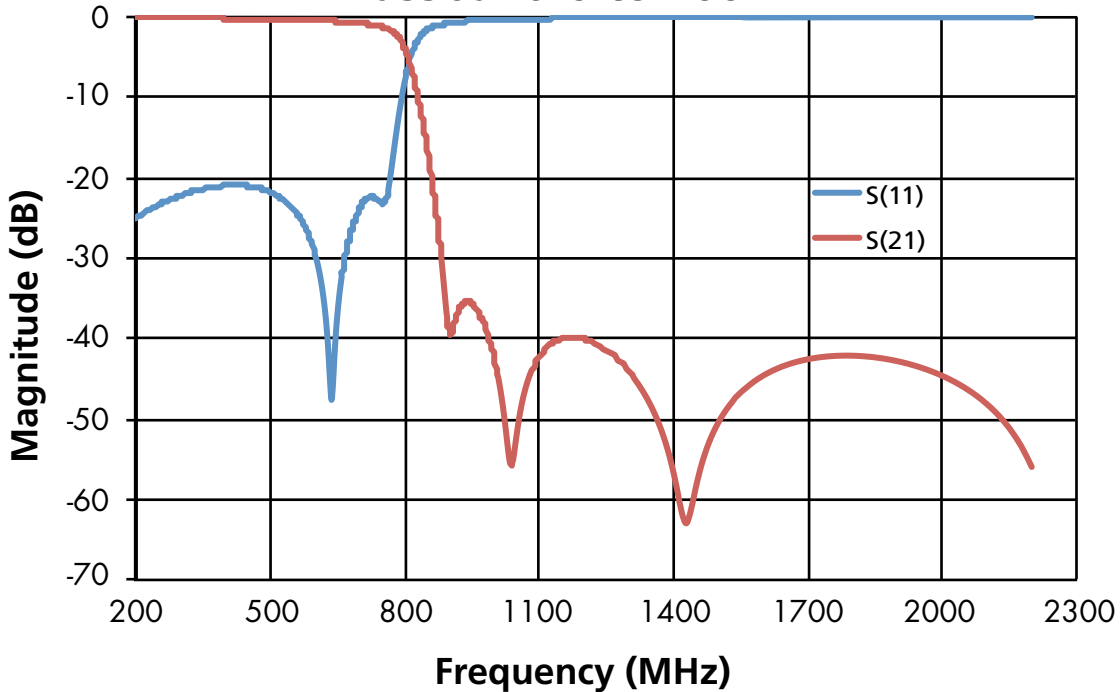
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**ATC LPF1206HP0512L  
Passband 0 to 512 MHz**



**ATC LPF1206HP0700L  
Passband 0 to 700 MHz**



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