

ATC 0805 LPF Series High Performance Thin Film Low Pass Filter

Features

- Sharp Cut-off Response
- Excellent Stop-band rejection
- Characteristic Impedance: 50Ω
- No External Matching
- Low Insertion Loss
- Power Handling: 4W
- Operating Temp: -40°C to +85°C
- Low Profile, SMT EIA Package
- Pb Free / RoHS Compliant

ATC's 0805 LPF Series Thin Film SMT Low Pass Filters offer superb high frequency performance in a low profile LGA style EIA package. The LPF Series is offered in a broad range of selected cut-off frequencies making them well suited for wireless frequency applications. Their superb performance provides an excellent drop-in solution for the most critical filter applications. The LPF Series exhibits excellent passband insertion loss, stop-band rejection and matching characteristics.

The LPF 0805 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)

LPF Filter Configurations

Part Number	Passband (MHz)
LPF0805HP2900	0 to 2900
LPF0805HP4000	0 to 4000

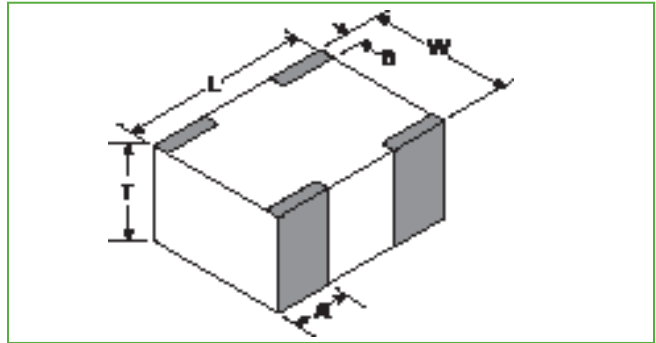
ATC 0805 HIGH PERFORMANCE LOW PASS FILTER

Dimensions

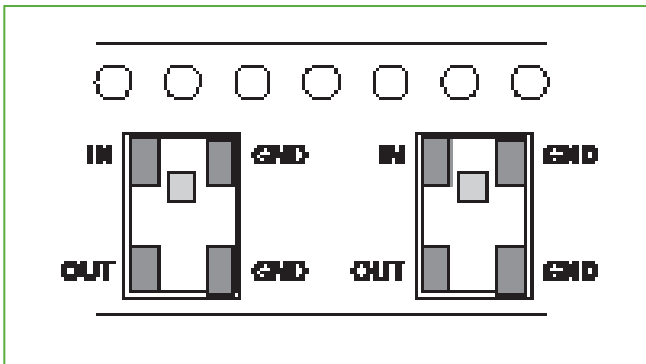
Size (EIA)	Length (L)	Width (W)	Thickness (T)	A	B
0805	0.080 ± 0.004 (2.03 ± 0.10)	0.061 ± 0.004 (1.55 ± 0.10)	0.031 ± 0.010 (0.80 ± 0.25)	0.022 ± 0.004 (0.56 ± 0.10)	0.014 ± 0.006 (0.35 ± 0.15)

inches (mm)

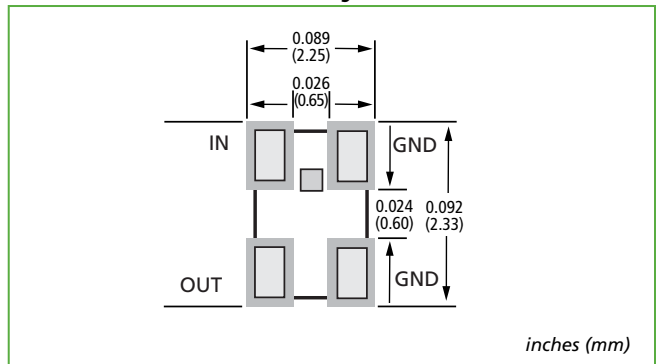
Mechanical Configurations



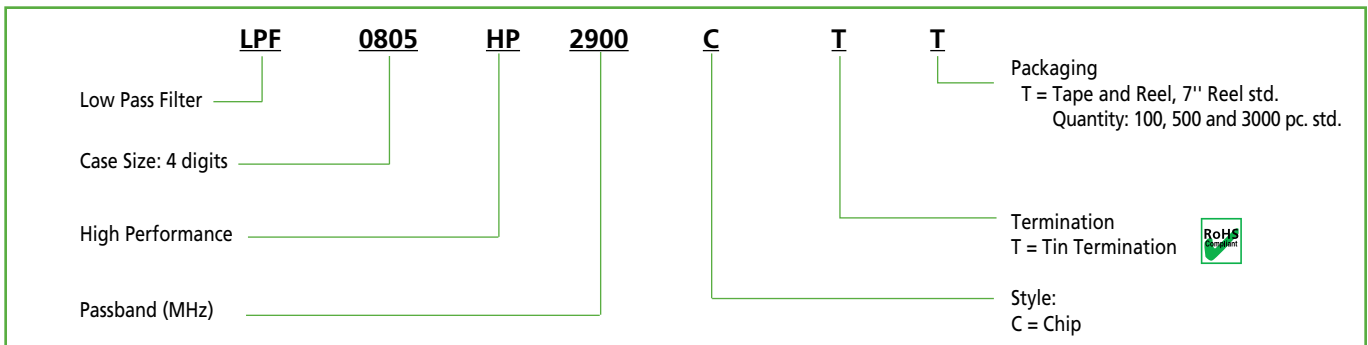
Terminals and Orientation in Tape (Top View)



Recommended Pad Layout Dimensions



ATC Part Number Code



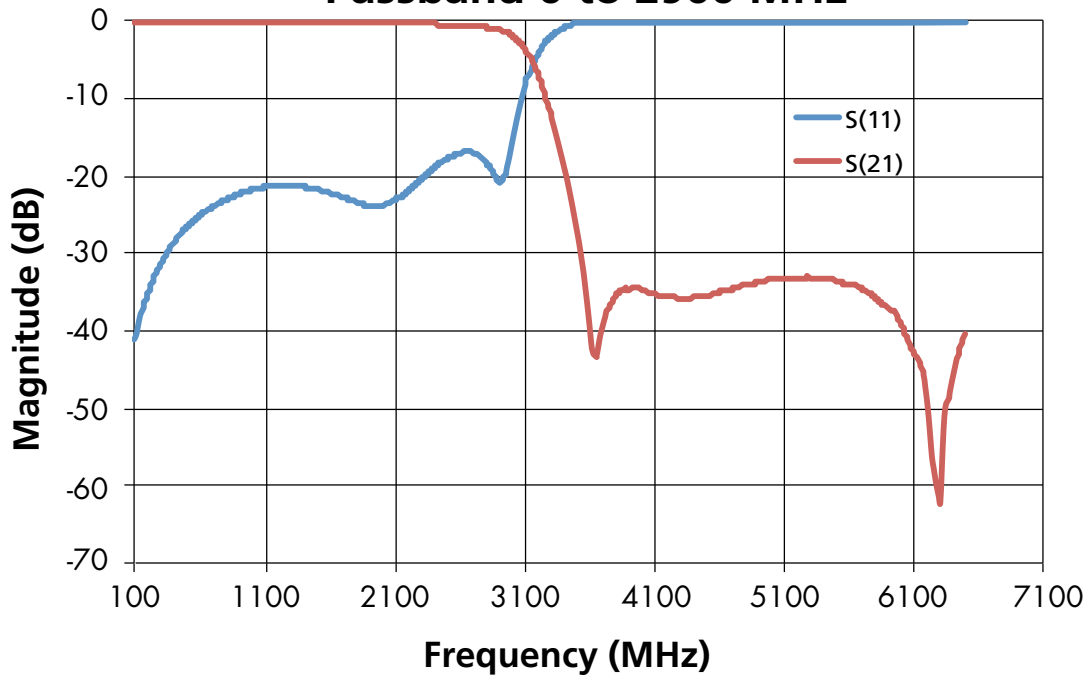
The above part number refers to a Low Pass Filter, (EIA case size 0805), High Performance, Passband DC to 2900 MHz, Chip (C) Style, Tin Termination

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.

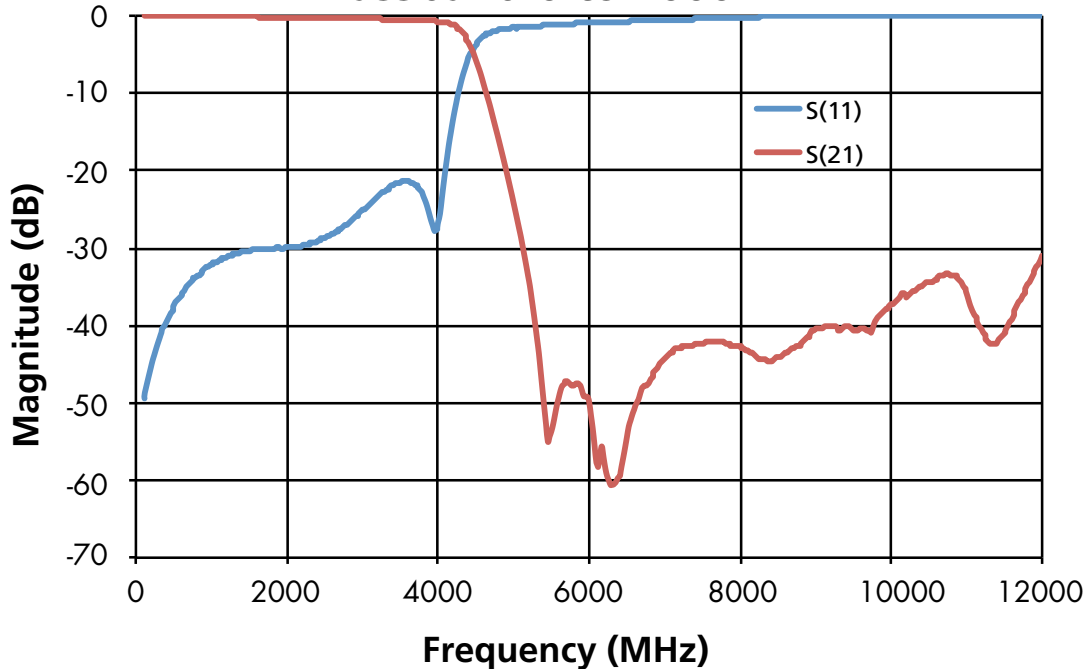
For additional information and catalogs contact your ATC representative or call direct at +1-631-622-4700.

Consult factory for additional performance data.

ATC LPF0805HP2900L Passband 0 to 2900 MHz



ATC LPF0805HP4000 Passband 0 to 4000 MHz



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