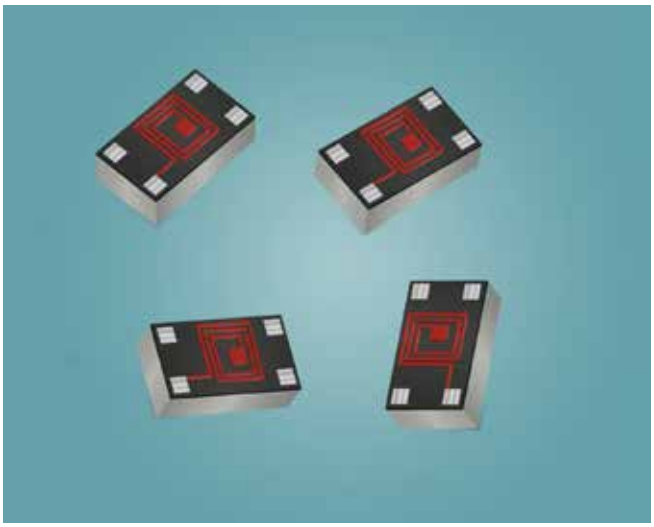
ATC 0402 LPF Series LGA Thin Film Low Pass Filters



Features:

- Cut-Off Frequency (typ): 2484 MHz to 6000 MHz
- Characteristic Impedance: 50Ω
- Low Insertion Loss: 0.35 dB typ.
- Operating Temp: -40˚C to +85˚C
- Low Profile LGA/SMT EIA Package
- Pb Free / RoHS Compliant

ATC's 0402 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 0402 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
- WLAN's (802.11)
- Public Safety Radio (P25)
- LTE
- ISM
- Global Navigation Satellite Systems (GNSS

Part Number	Passband (MHz)
LPF04022484LT	DC to 2484
LPF04022740LT	DC to 2740
LPF04023600LT	DC to 3600
LPF04025350LT	DC to 5350
LPF04025650LT	DC to 5650
LPF04026000LT	DC to 6000

ATC 0402 LPF SERIES THIN FILM LOW PASS FILTER

Dimensions

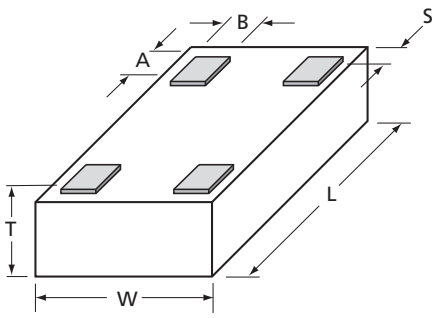
Size (EIA)	Length (L)	Width (W)	Thickness (T)
0402	.040 ±.002 (1.00 ±0.05)	.023 ±.002 (0.58 ±0.04)	.014 ±.002 (0.35 ±0.50)

inches (mm)

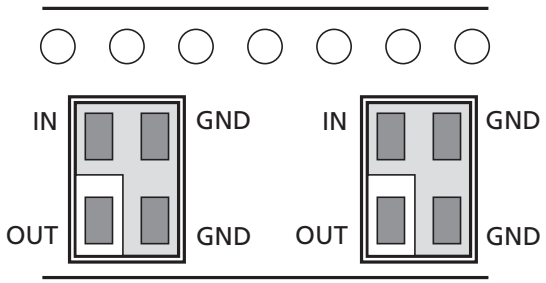
A	B	S
.008 ±.002 (0.20 ±0.06)	.007 ±.002 (0.18 ±0.05)	.002 ±.002 (0.05 ±0.05)

inches (mm)

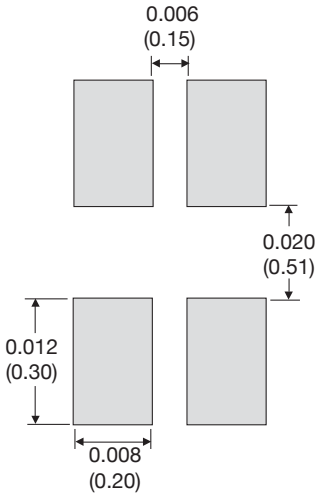
Mechanical Configurations



Top View



Recommended Pad Layout



ATC Part Number Code

LPF **0402** **2484** **L** **T** **T**

- LPF — Low Pass Filter
- 0402 — Case Size: 4 digits
- 2484 — Passband: 4 digits
- L — Style: L = LGA, C = Chip
- T — Termination: T = Tin Termination
- T — Packaging: T = Tape and Reel, std.

The above part number refers to a Low Pass Filter, (EIA case size 0402), Passband DC to 2484 MHz, Land Grid Array (LGA) 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 # 001-1185, Rev. A, 5/18

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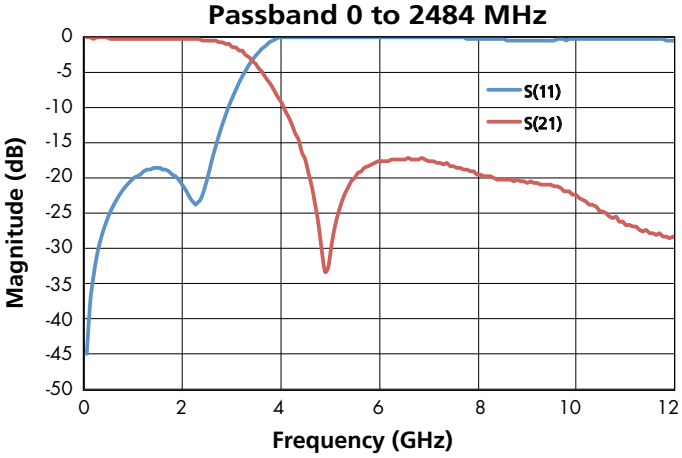
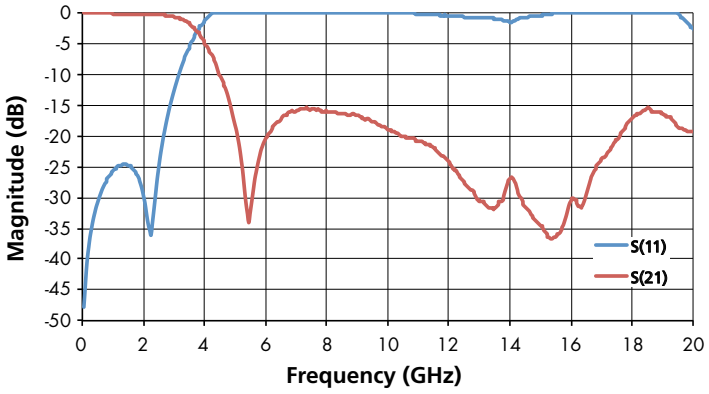
ISO 9001 REGISTERED COMPANY

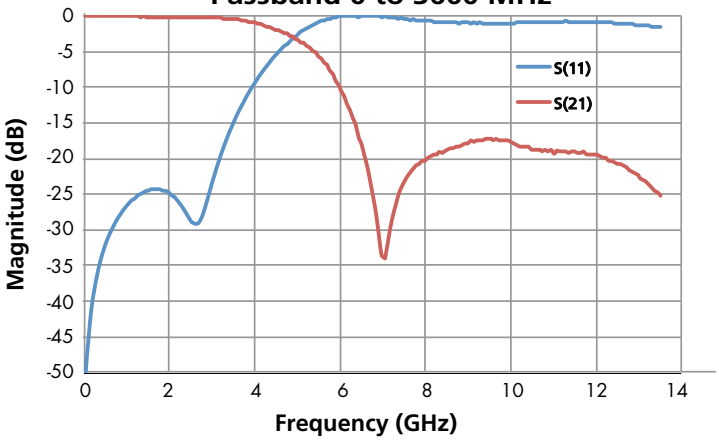
ATC LPF04022484L
Passband 0 to 2484 MHz



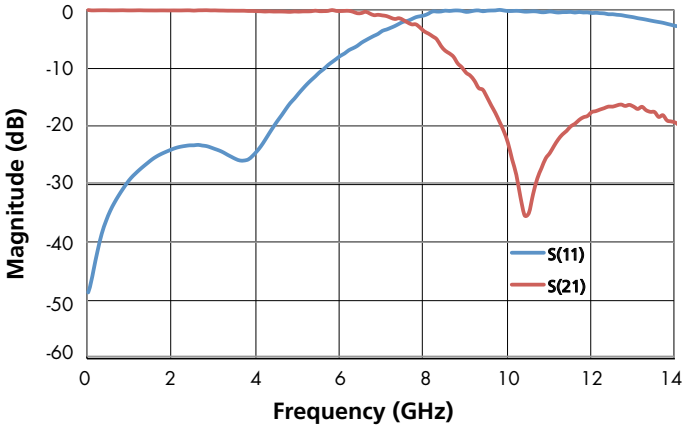
ATC LPF04022740L
Passband 0 to 2740 MHz



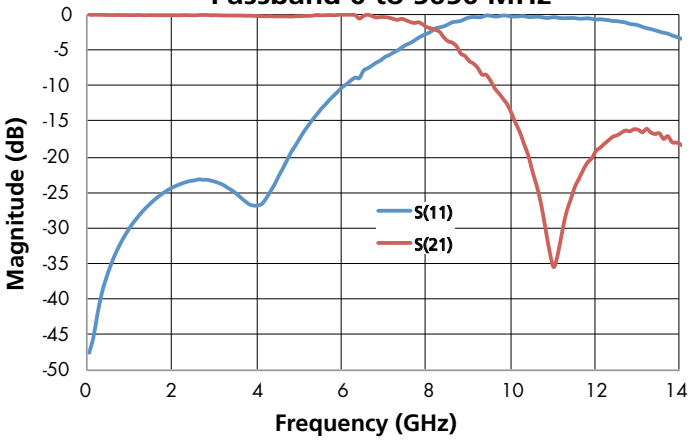
ATC LPF04023600L
Passband 0 to 3600 MHz



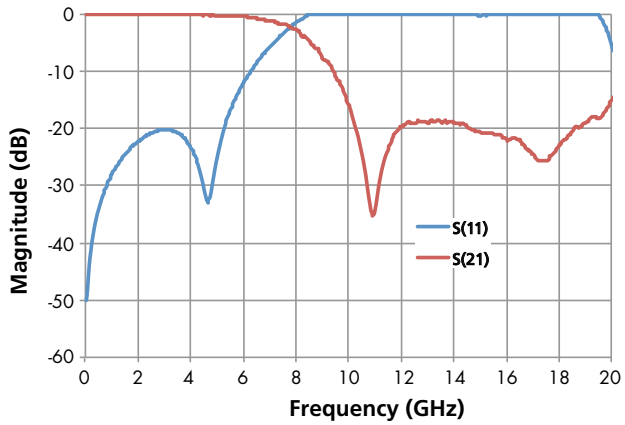
ATC LPF04025350L
Passband 0 to 5350 MHz



ATC LPF04025650L
Passband 0 to 5650 MHz



ATC LPF04026000L
Passband 0 to 6000 MHz



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