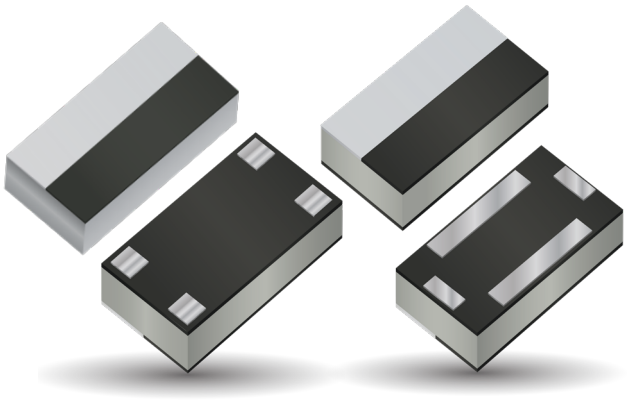
High Performance Low Pass Filters

1206 High Performance Low Pass 12W

Thin-Film RF/Microwave Filters

1206 High Performance Low Pass 12W

General Information



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: 1206
- Characteristic impedance: 50Ω
- Operating/Storage temp: -40°C to +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS

- Base Station
- 5G & 6G / UWB
- Mobile communications
- Satellite TV receivers
- GPS
- Vehicle location systems
- Wireless LAN's

HOW TO ORDER

LP	1206	A	XXXX	B	N	TR
Series	Size	Type	Frequency MHz	Sub-Type	Termination	Taped & Reeled

Termination

N = Nickel/Lead-Free Solder Coated (Sn100), LGA

L = Nickel/Solder Coated (Sn90, Pb10), LGA

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, I_R, 4 hours

TERMINATION

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

RoHS COMPLIANT

ELECTRICAL SPECIFICATION

Part Number	Fc [MHz]	I.L [dB]	R.L. [dB]	Rejection [dB]	Rejection [dB]
LP1206A0480ANTR	480	-1.2	-14	-35 @ 700 – 2500 MHz	---
LP1206A0500ANTR	500	-1.3	-14	-30 @ 700 – 2000 MHz	---
LP1206A0512BNTR	512	-0.8	-15	-35 @ 720 – 2000 MHz	---
LP1206A0550ANTR	550	-0.8	-12	-30 @ 1000 – 3000 MHz	---
LP1206A0580ANTR	580	-0.8	-12	-30 @ 1000 – 3000 MHz	---
LP1206A0600ANTR	600	-0.8	-20	-40 @ 900 – 3100 MHz	---
LP1206A0700ANTR	700	-0.9	-15	-35 @ 1000 – 2000 MHz	---
LP1206A0720ANTR	720	-1.2	-11	-15 @ 875 MHz	-30 @ 1000 – 2500 MHz
LP1206A1300ANTR	1300	-0.8	-14	-35 @ 1820 – 3500 MHz	-30 @ 3500 – 4000 MHz
LP1206A1400ANTR	1400	-0.8	-18	-30 @ 1960 MHz	-40 @ 2800 MHz
LP1206A1500ANTR	1500	-1.5	-15	-40 @ 550 MHz	-40 @ 2500 – 6000 MHz
LP1206A1800ANTR	1800	-0.9	-20	-40 @ 2520 – 3600 MHz	-30 @ 7200 MHz
LP1206A2000ANTR	2000	-0.7	-12	-35 @ 4000 – 8000 MHz	---
LP1206A2100ANTR	2100	-0.6	-12	-30 @ 6000 – 18000 MHz	---
LP2106A2200ANTR	2200	-0.8	-14	-35 @ 3000 – 5000 MHz	-25 @ 5000 – 6600 MHz
LP1206A2300ANTR	2300	-0.8	-14	-35 @ 3100 – 5100 MHz	-25 @ 5100 – 6800 MHz
LP1206A2400ANTR	2400	-0.8	-14	-35 @ 3350 – 5500 MHz	-25 @ 5500 – 7200 MHz
LP1206A2500ANTR	2500	-0.7	-12	-35 @ 5000 – 10000 MHz	-30 @ 10000 – 11000 MHz
LP1206A2700ANTR	2700	-0.7	-12	-35 @ 5400 – 10000 MHz	-30 @ 10000 – 11500 MHz
LP1206A3000ANTR	3000	-0.7	-12	-40 @ 6000 – 9000 MHz	-30 @ 9000 – 12000 MHz
LP1206A3200ANTR	3200	-0.7	-12	-38 @ 6400 – 10000 MHz	-30 @ 10000 – 12800 MHz
LP1206A3300ANTR	3300	-0.7	-12	-38 @ 6400 – 10000 MHz	-30 @ 10000 – 12800 MHz
LP1206A3400ANTR	3400	-0.3	-20	-35 @ 8700 – 10500 MHz	---
LP1206A3500ANTR	3500	-0.7	-12	-36 @ 6000 – 10500 MHz	-27 @ 10500 – 15000 MHz
LP1206A4200ANTR	4200	-0.5	-12	-30 @ 6600 – 17000 MHz	---
LP1206A4400ANTR	4400	-0.7	-15	-30 @ 6600 – 17000 MHz	---
LP1206A5000ANTR	5000	-0.7	-15	-35 @ 9000 – 14000 MHz	-25 @ 14000 – 20000 MHz
LP1206A5200ANTR	5200	-0.7	-15	-35 @ 9000 – 14000 MHz	-25 @ 14000 – 20000 MHz
LP1206A5500ANTR	5500	-0.7	-15	-35 @ 9000 – 14000 MHz	-25 @ 14000 – 20000 MHz
LP1206A6000ANTR	6000	-0.6	-20	-35 @ 8500 – 12000 MHz	-25 @ 12000 - 18000

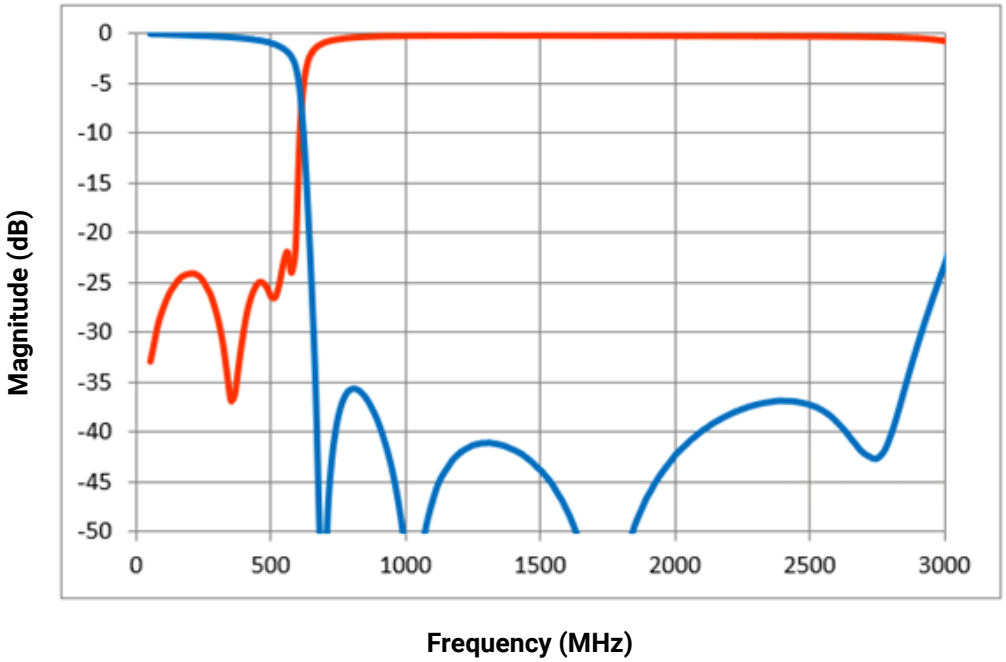
Click part number to see full specifications

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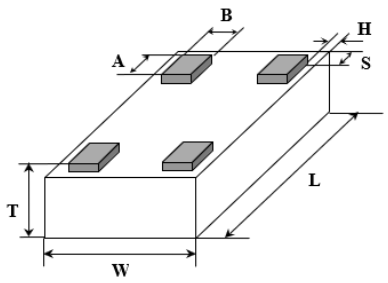
ELECTRICAL CHARACTERISTICS

LP1206A0480ANTR		
Description	**Value**	**Notes**
Fc	480 MHz	
Insertion Loss	-1.2 dB	Max.
Return Loss	-14 dB	
Rejection	-35 dB	Min. (700 MHz to 2.5 GHz)
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



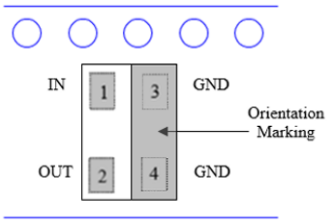
DIMENSIONS (BOTTOM VIEW)



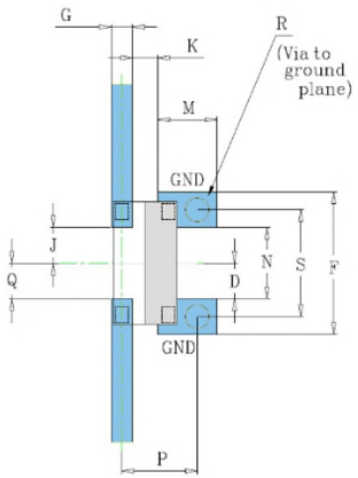
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

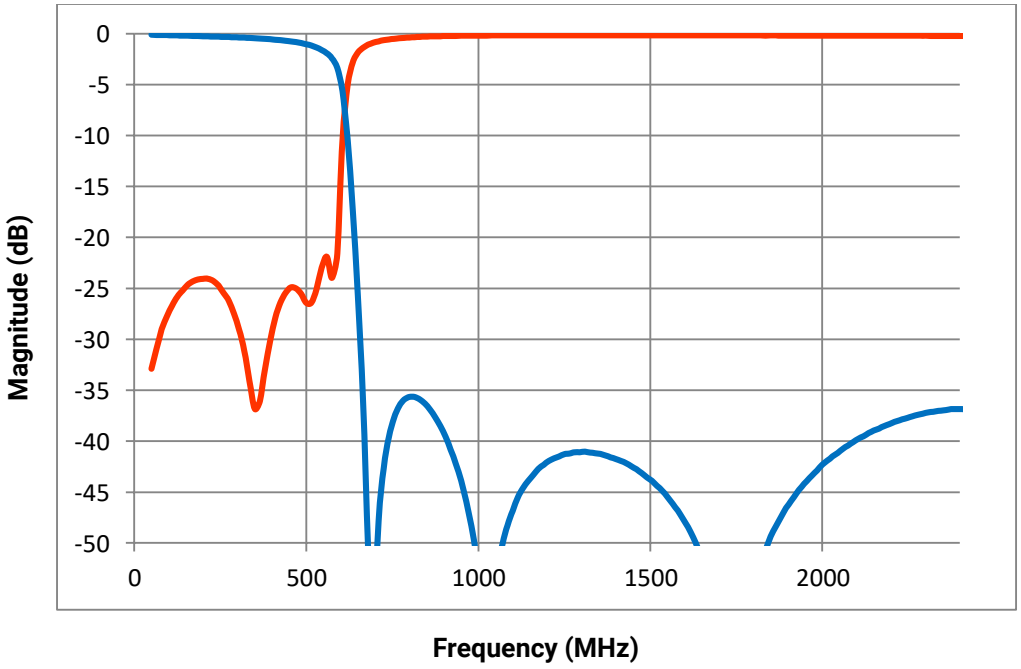
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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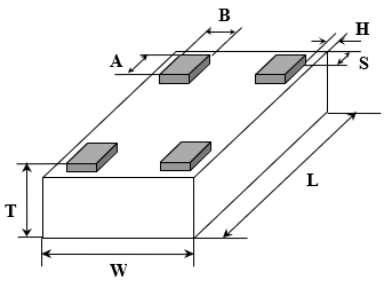
ELECTRICAL CHARACTERISTICS

LP1206A0500ANTR		
Description	**Value**	**Notes**
Fc	500 MHz	
Insertion Loss	-1.3 dB	Max. (all ports)
Return Loss	-14 dB	
Rejection @ 700 - 2000 MHz	-30 dB	Max.
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



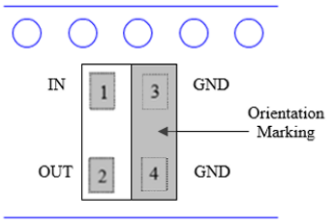
DIMENSIONS (BOTTOM VIEW)



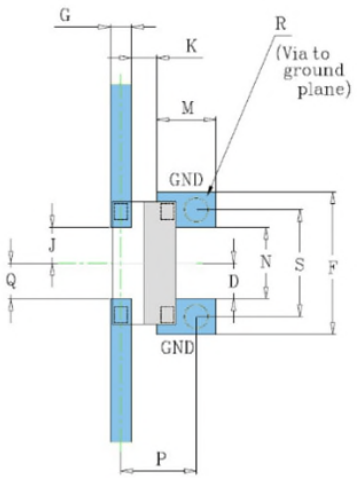
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

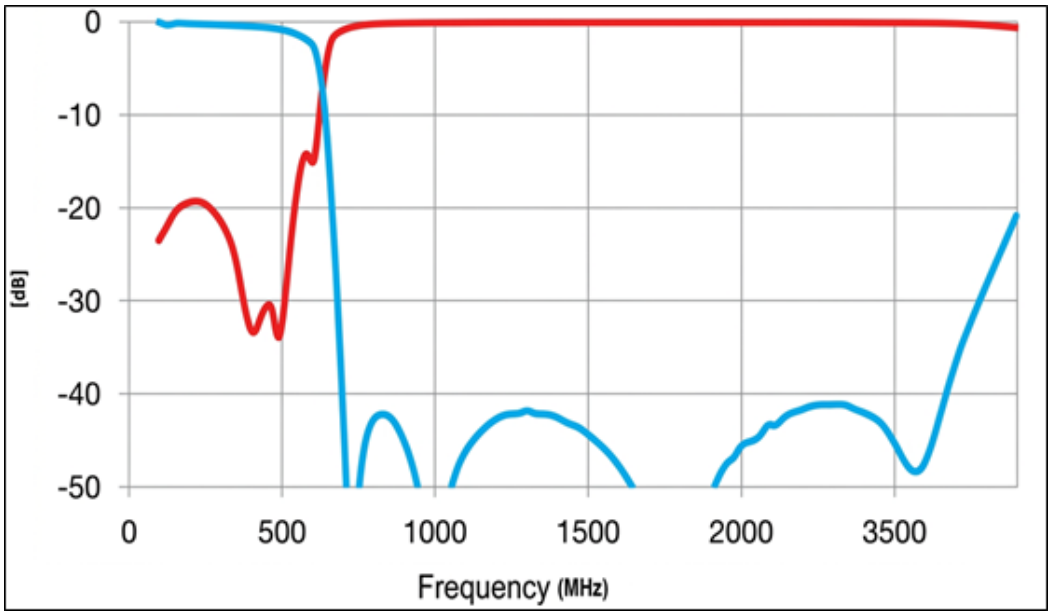
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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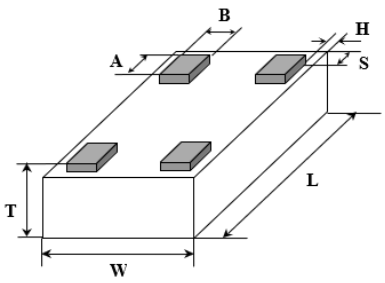
ELECTRICAL CHARACTERISTICS

LP1206A0512BNTR		
Description	**Value**	**Notes**
Fc	512 MHz	
Insertion Loss	-0.8 dB	
Return Loss	-15 dB	
Rejection @ 900 MHz	-35 dB	
Power Handling	12 W	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



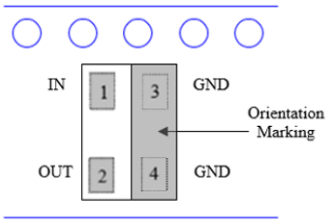
DIMENSIONS (BOTTOM VIEW)



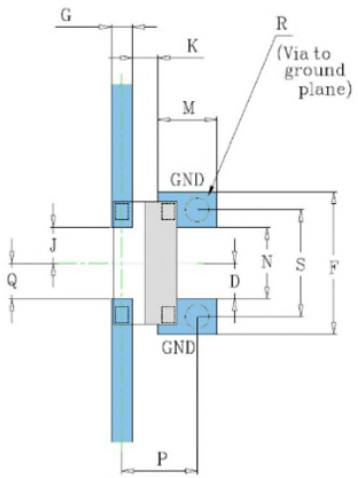
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

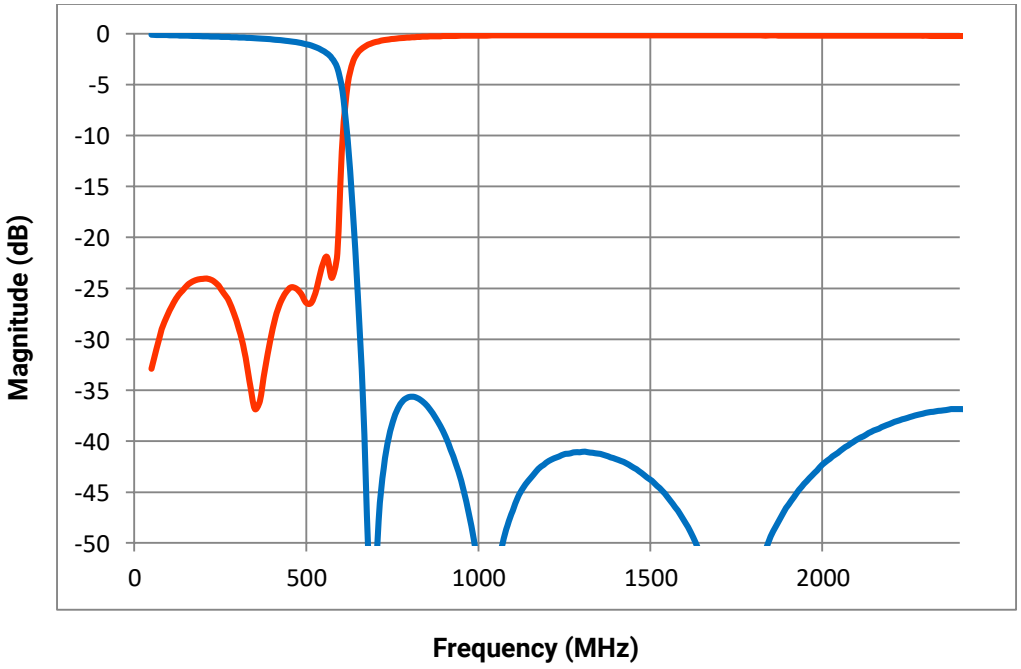
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** PCB: Taconic Orcer RF-35P

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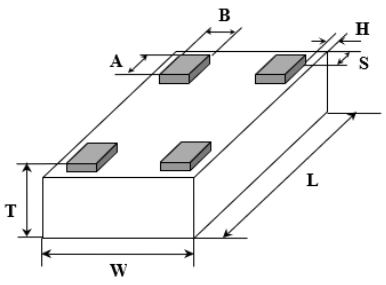
ELECTRICAL CHARACTERISTICS

LP1206A0550ANTR		
Description	**Value**	**Notes**
Fc	550 MHz	
Insertion Loss @ 550 MHz	-0.8 dB	
Return Loss @ 550 MHz	-12 dB	
Rejection @ 1 – 3 GHz	-30 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



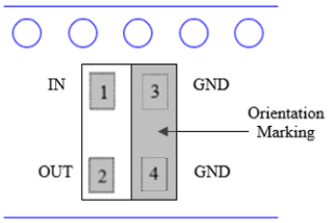
DIMENSIONS (BOTTOM VIEW)



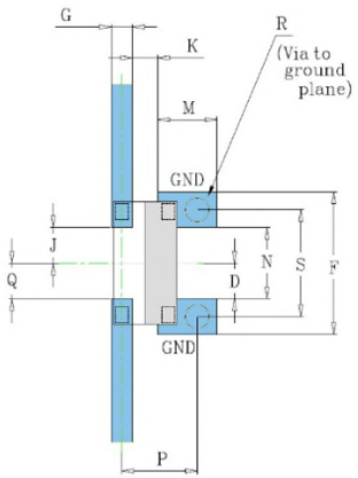
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

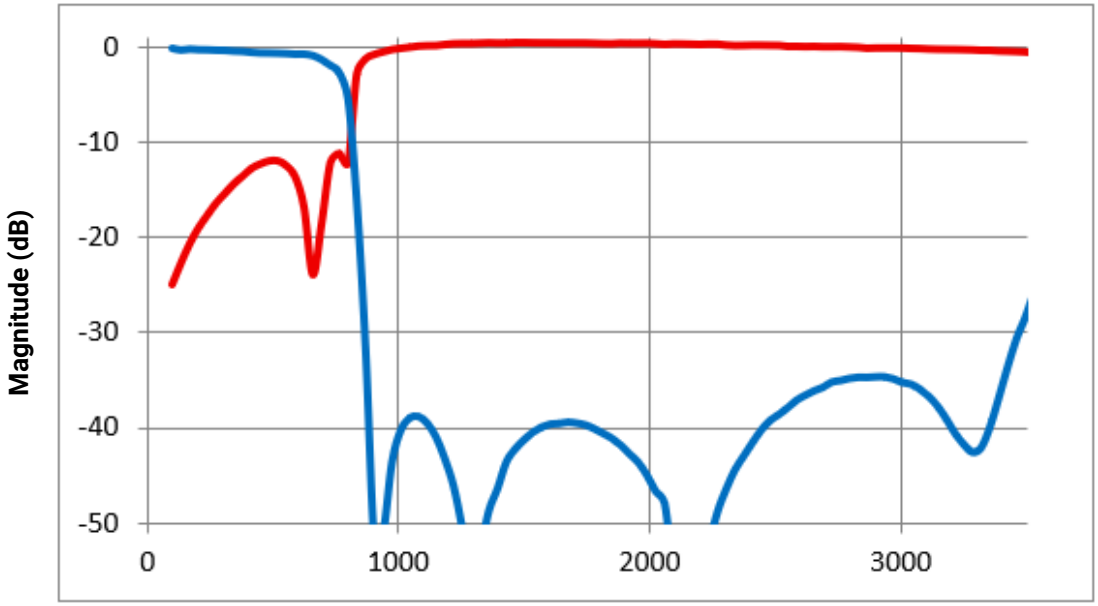
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** PCB: Taconic Orcer RF-35P

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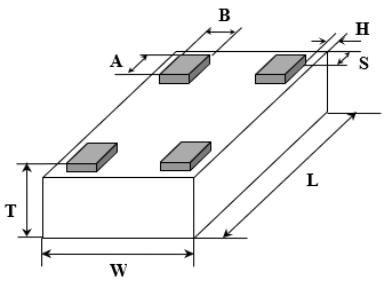
ELECTRICAL CHARACTERISTICS

LP1206A0580ANTR		
Description	**Value**	**Notes**
Fc	580 MHz	
Insertion Loss @ 580 MHz	-0.8 dB	
Return Loss @ 580 MHz	-12 dB	
Rejection @ 1 – 3 GHz	-30 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



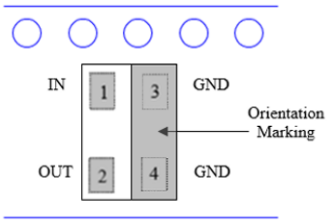
DIMENSIONS (BOTTOM VIEW)



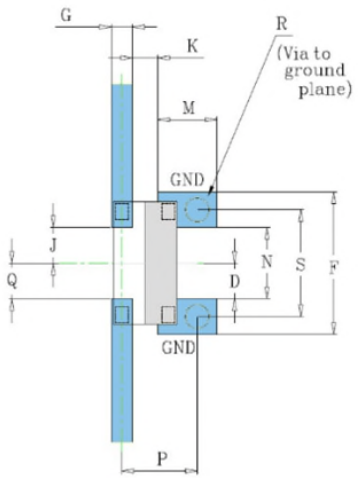
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

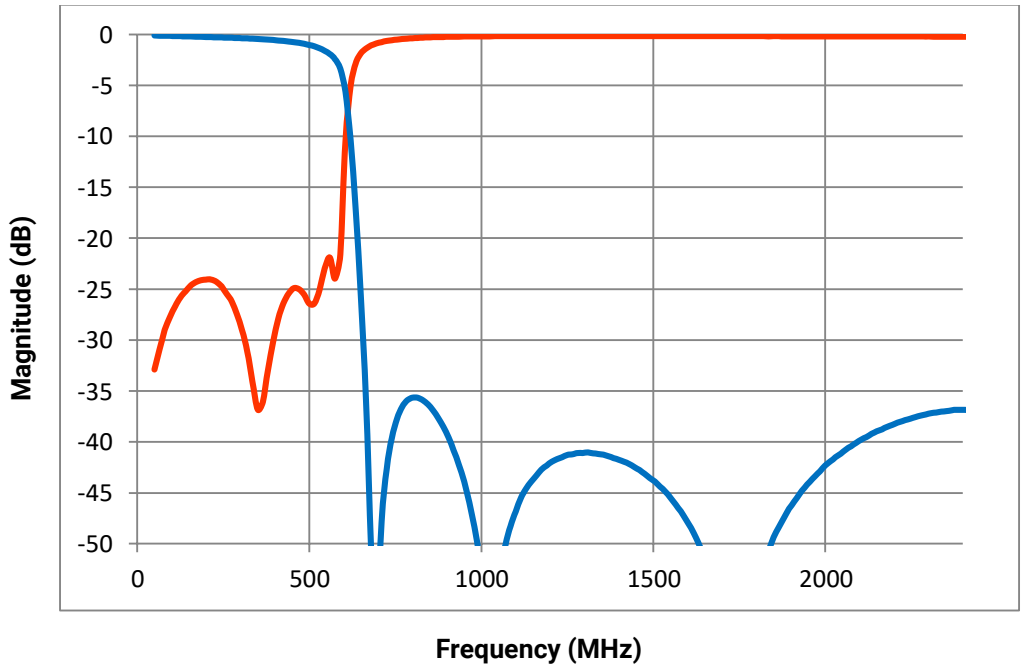
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** PCB: Taconic Orcer RF-35P

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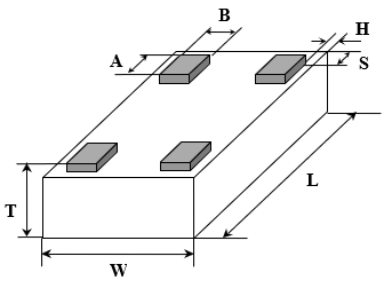
ELECTRICAL CHARACTERISTICS

LP1206A0600ANTR		
Description	**Value**	**Notes**
Fc	600 MHz	
Insertion Loss	-0.6 dB	Max.
Return Loss	-20 dB	
Rejection @ 900 - 3000 MHz	-40 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



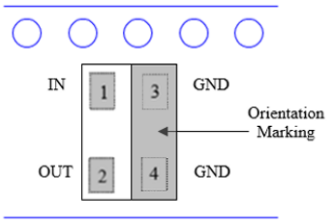
DIMENSIONS (BOTTOM VIEW)



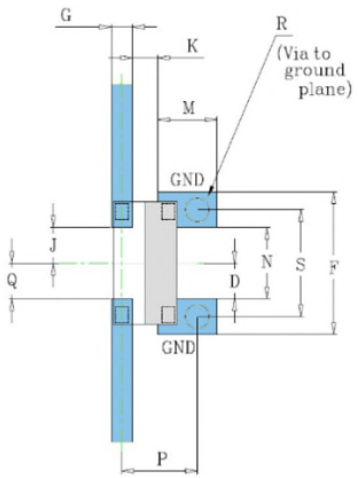
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

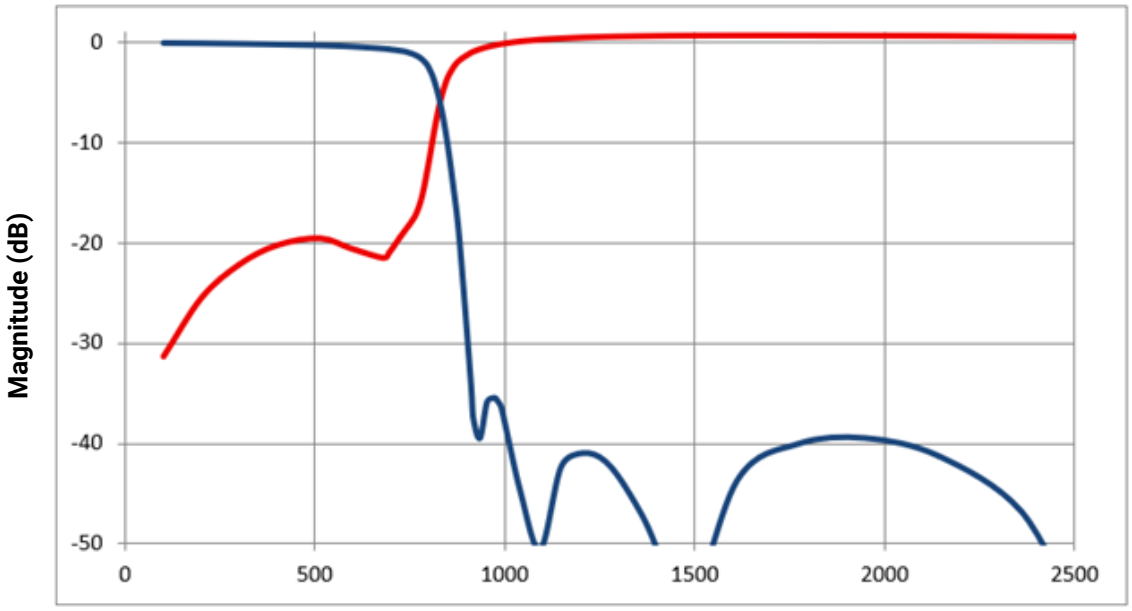
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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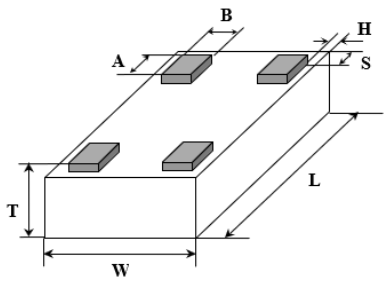
ELECTRICAL CHARACTERISTICS

LP1206A0700ANTR		
Description	**Value**	**Notes**
Fc	700 MHz	
Insertion Loss	-0.9 dB	Max.
Return Loss	-15 dB	
Rejection @ 1 GHz	-35 dB	Min. (1 GHz to 2GHz)
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



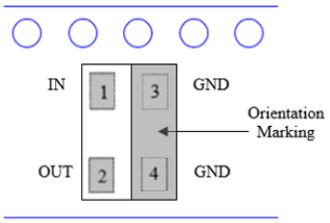
DIMENSIONS (BOTTOM VIEW)



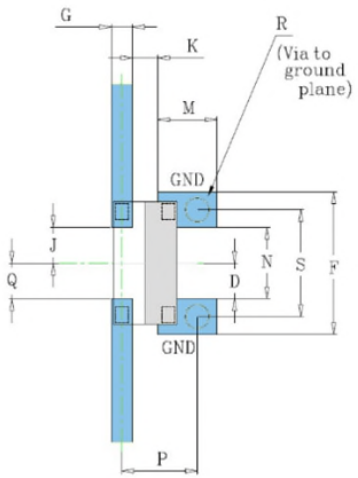
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

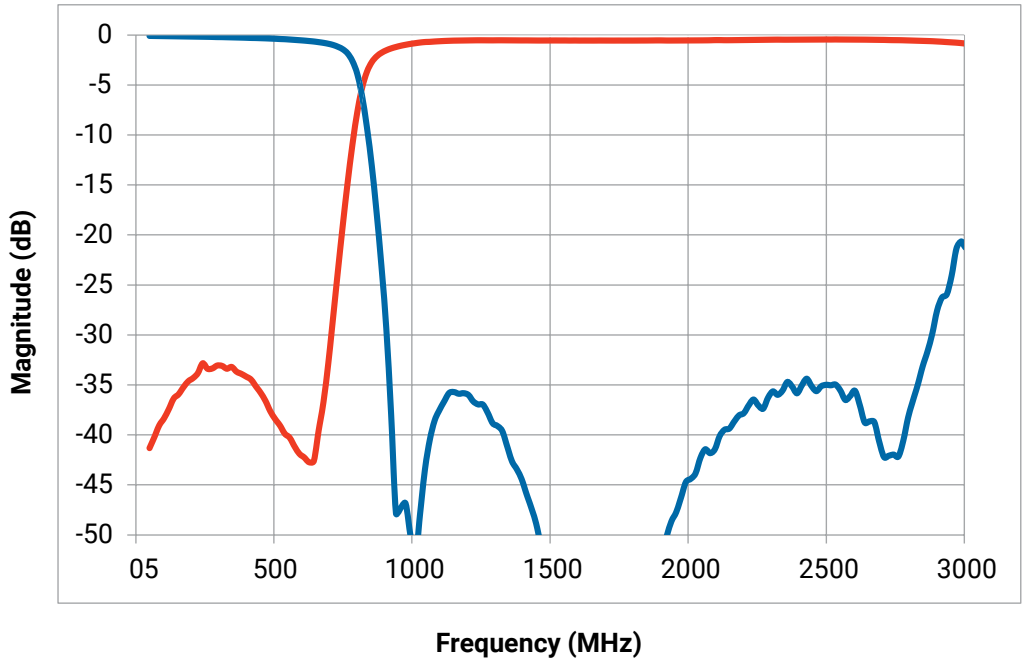
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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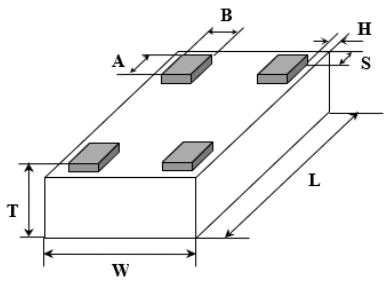
ELECTRICAL CHARACTERISTICS

LP1206A0720ANTR		
Description	**Value**	**Notes**
Fc	720 MHz	
Insertion Loss	-1.2 dB	Max.
Return Loss	-14 dB	
Rejection @ 0.875 to 2.5 GHz	-15 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



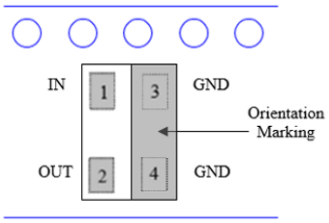
DIMENSIONS (BOTTOM VIEW)



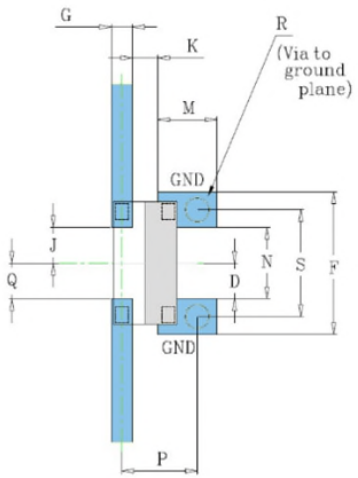
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

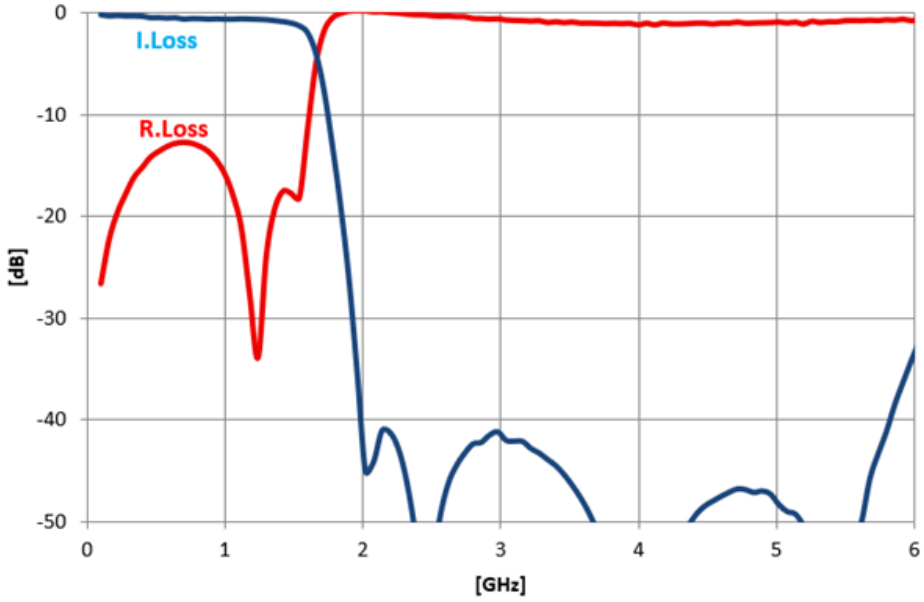
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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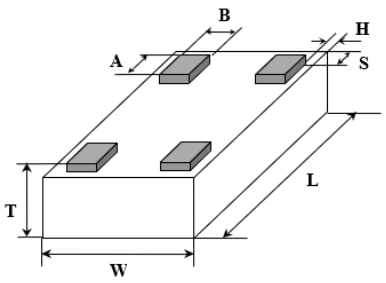
ELECTRICAL CHARACTERISTICS

LP1206A1300ANTR		
Description	**Value**	**Notes**
Fc	1300 MHz	
Insertion Loss	-0.8 dB	Max.
Return Loss	-14 dB	
Rejection @ 1.82 - 3.5 GHz	-35 dB	
Rejection @ 3.5 - 4 GHz	-30 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



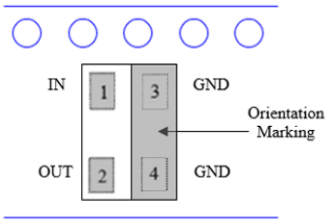
DIMENSIONS (BOTTOM VIEW)



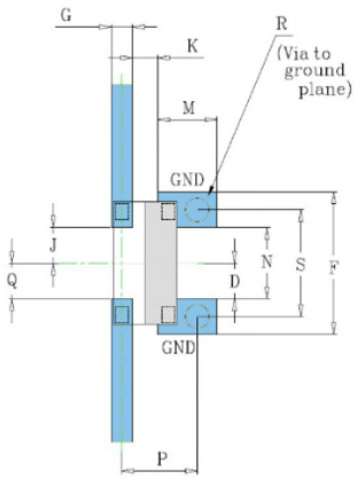
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

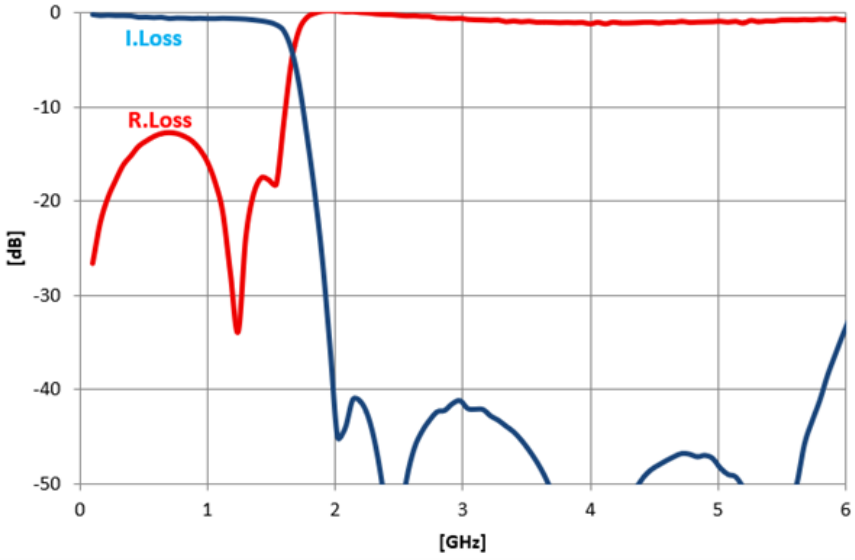
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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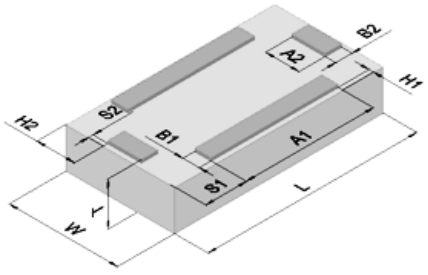
ELECTRICAL CHARACTERISTICS

LP1206A1400ANTR		
Description	**Value**	**Notes**
Fc	1400 MHz	
Insertion Loss @ 1.4 GHz	-0.8 dB	
Return Loss @ 1.4 GHz	-12 dB	
Rejection @ 1.96 GHz	-30 dB	
Rejection @ 2.8 GHz	-40 dB	
Rejection @ 4.2 GHz	-45 dB	
Rejection @ 5.6 GHz	-40 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



DIMENSIONS (BOTTOM VIEW)

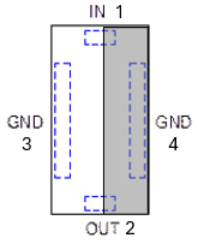


mm (inches)

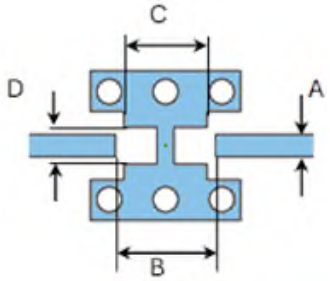
L	3.1±0.1 (0.12±0.004)
W	1.6±0.1 (0.06±0.004)
T	0.6±0.3 (0.02±0.01)
A1	1.9±0.1 (0.07±0.004)
A2	0.5±0.1 (0.02±0.004)

B1, B2	0.25±0.1 (0.01±0.004)
H1	0.06±0.06 (0.002±0.002)
H2	0.56±0.10 (0.022±0.004)
S1	0.61±0.1 (0.024±0.004)
S2	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

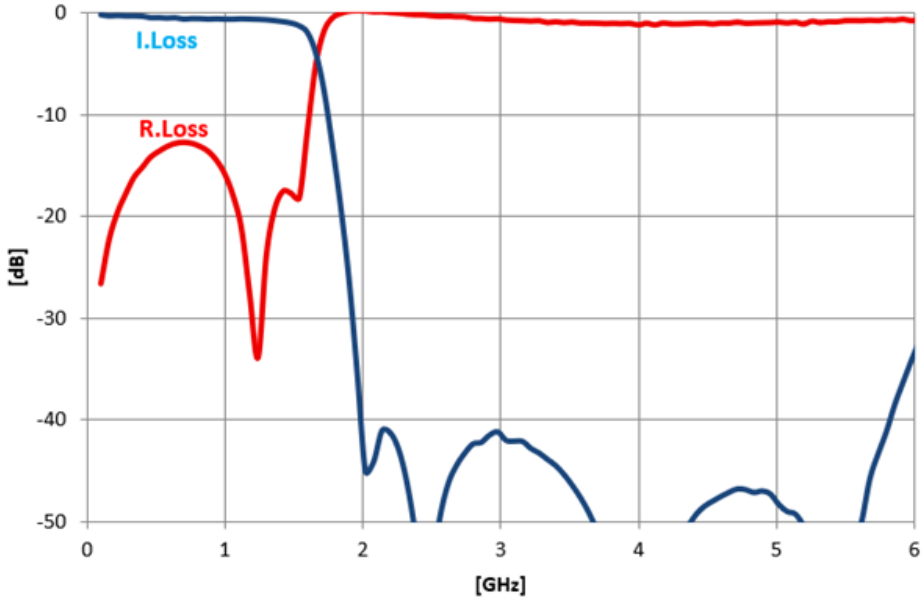
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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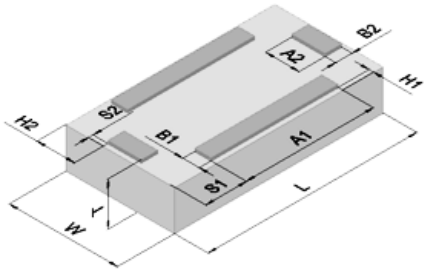
ELECTRICAL CHARACTERISTICS

LP1206A1500ANTR		
Description	**Value**	**Notes**
Fc	1500 MHz	
Insertion Loss @ 1.25 – 1.75 GHz	-1.5 dB	
Return Loss	-15 dB	
Rejection @ 550 MHz	-40 dB	
Rejection @ 2.5 – 6 GHz	-40 dB	
Power Handling	12 Watt	
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



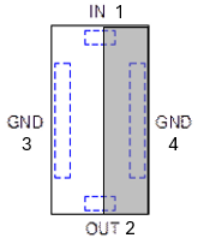
DIMENSIONS (BOTTOM VIEW)



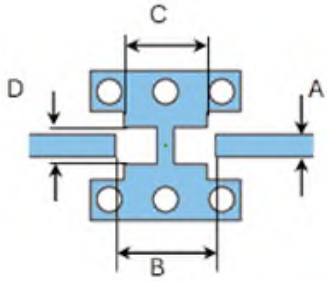
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

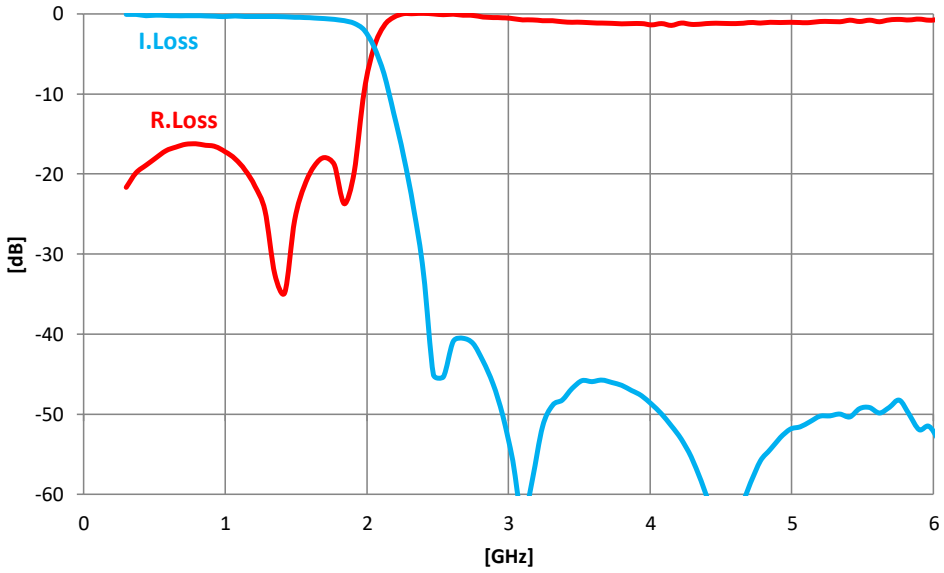
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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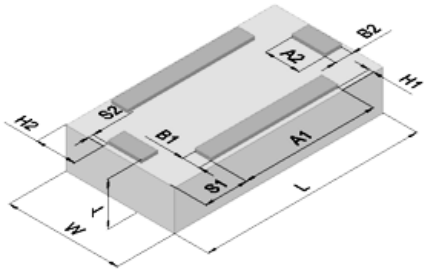
ELECTRICAL CHARACTERISTICS

LP1206A1800ANTR		
Description	**Value**	**Notes**
Fc	1800 MHz	
Insertion Loss @ 1.8 GHz	-0.9 dB	
Return Loss @ 1.8 GHz	-20 dB	
Rejection @ 2.52 GHz	-40 dB	
Rejection @ 3.6 GHz	-40 dB	
Rejection @ 5.4 GHz	-45 dB	
Rejection @ 7.2 GHz	-40 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



DIMENSIONS (BOTTOM VIEW)

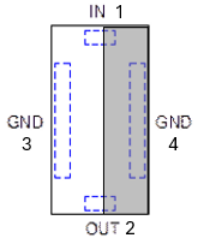


mm (inches)

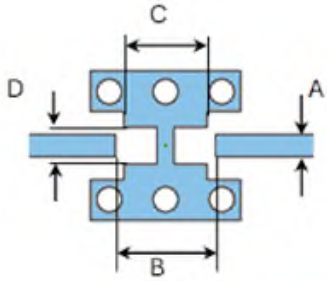
L	3.1±0.1 (0.12±0.004)
W	1.6±0.1 (0.06±0.004)
T	0.6±0.3 (0.02±0.01)
A1	1.9±0.1 (0.07±0.004)
A2	0.5±0.1 (0.02±0.004)

B1, B2	0.25±0.1 (0.01±0.004)
H1	0.06±0.06 (0.002±0.002)
H2	0.56±0.10 (0.022±0.004)
S1	0.61±0.1 (0.024±0.004)
S2	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

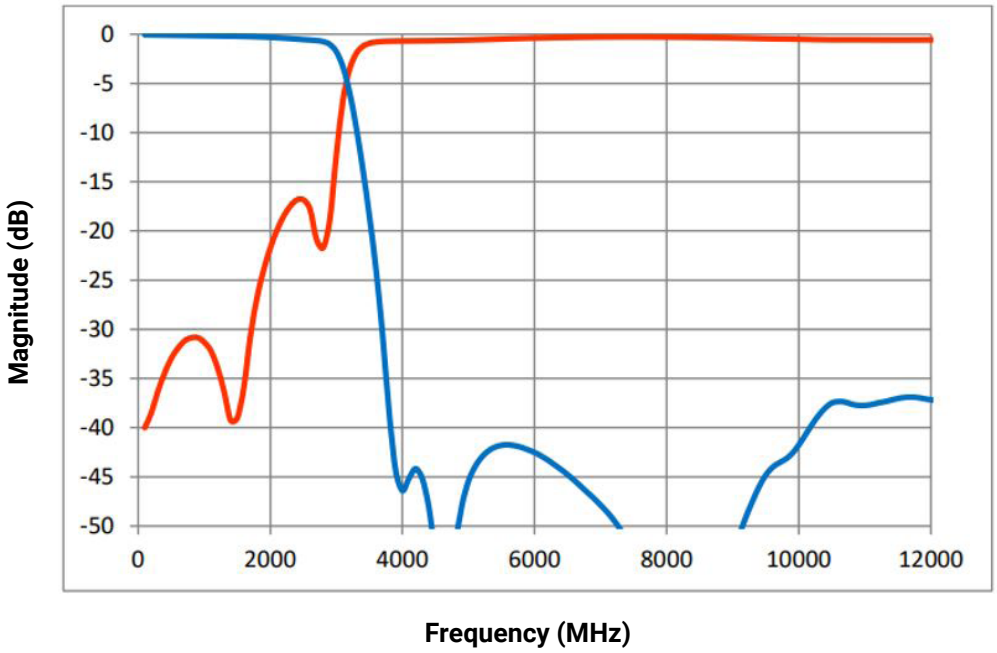
** PCB: Taconic Orcer RF-35P
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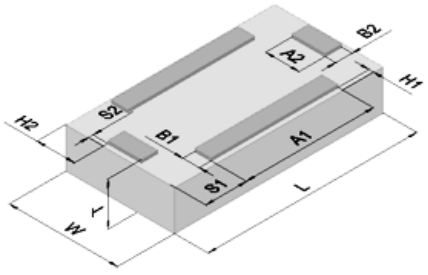
ELECTRICAL CHARACTERISTICS

LP1206A2000ANTR		
Description	**Value**	**Notes**
Fc	2000 MHz	
Insertion Loss	-0.7 dB	Max.
Return Loss	-12 dB	
Rejection @ 4.0 - 8.0 GHz	-35 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



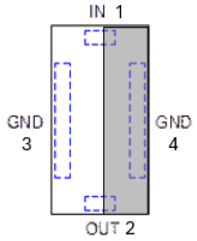
DIMENSIONS (BOTTOM VIEW)



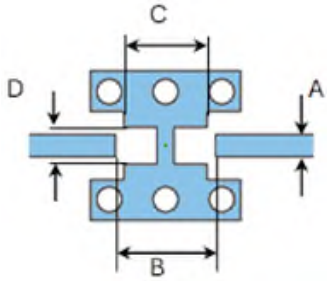
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

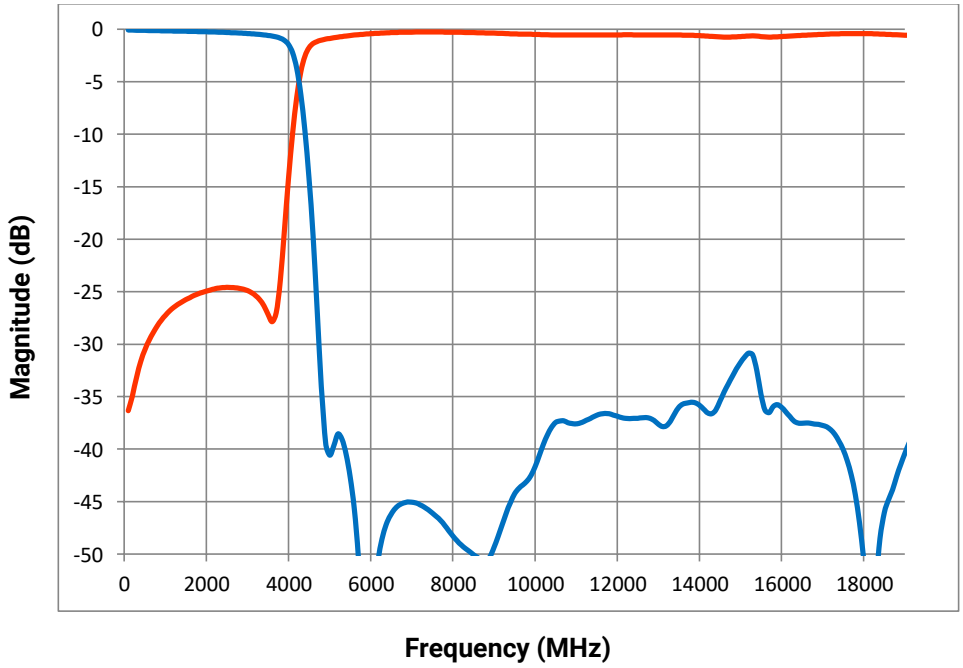
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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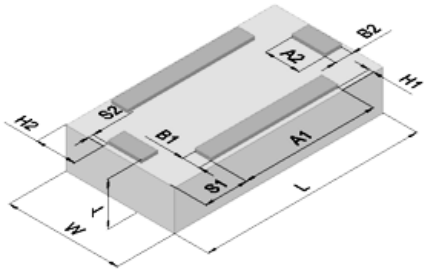
ELECTRICAL CHARACTERISTICS

LP1206A2100ANTR		
Description	**Value**	**Notes**
Fc	2.1 GHz	
Insertion Loss @ 0.5 – 2.1 GHz	-0.6 dB	
Return Loss @ 0.5 – 2.1 GHz	-12 dB	
Rejection @ 6 – 18 GHz	-30 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



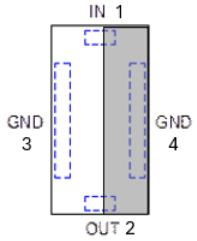
DIMENSIONS (BOTTOM VIEW)



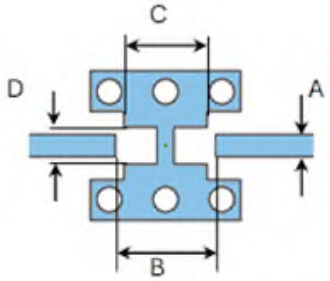
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

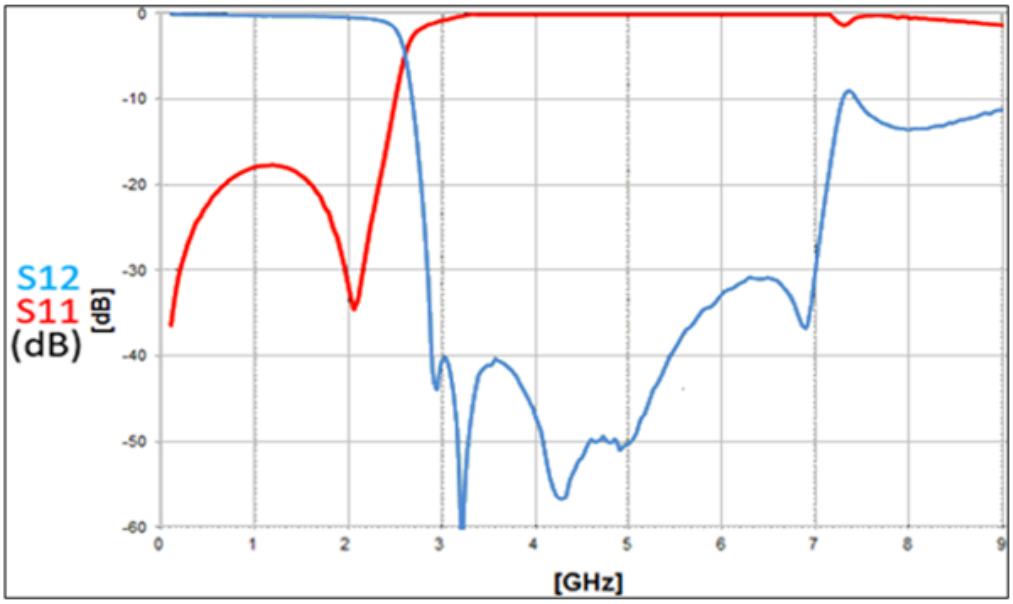
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

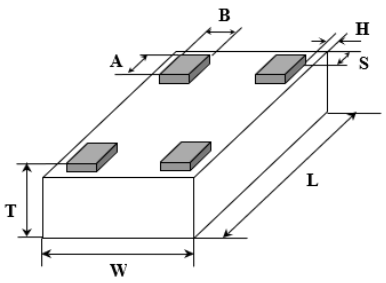
ELECTRICAL CHARACTERISTICS

LP1206A2200ANTR		
Description	**Value**	**Notes**
Fc	2200 MHz	
Insertion Loss	-0.8 dB	Max.
Return Loss	-14 dB	
Rejection @ 3000 - 5000 MHz	-35 dB	
Rejection @ 5000 - 6600 MHz	-25 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



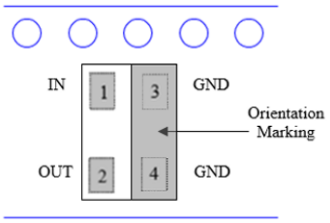
DIMENSIONS (BOTTOM VIEW)



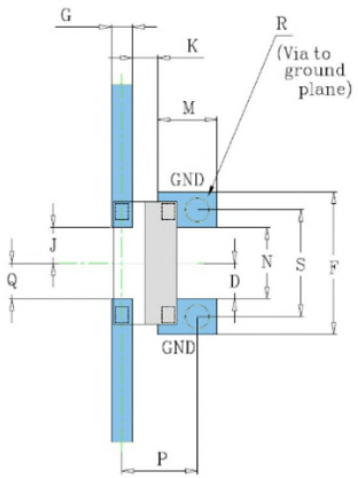
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

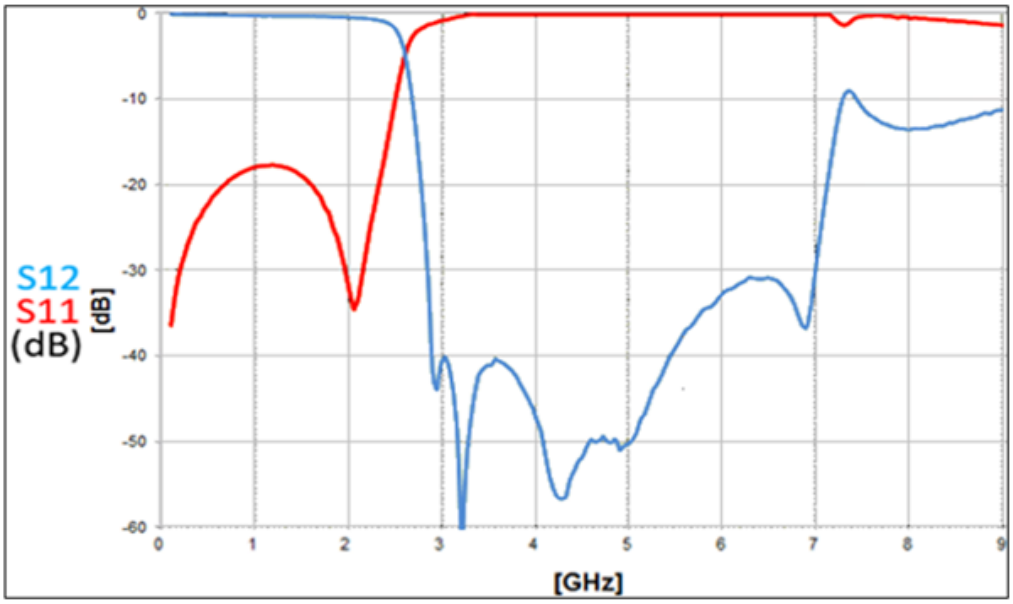
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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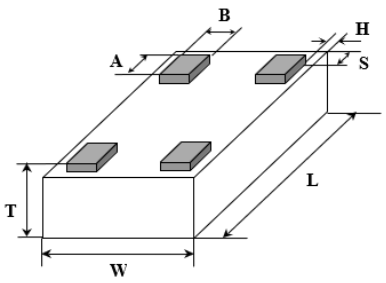
ELECTRICAL CHARACTERISTICS

LP1206A2300ANTR		
Description	**Value**	**Notes**
Fc	2300 MHz	
Insertion Loss	-0.8 dB	
Return Loss	-14 dB	
Rejection @ 3100 - 5100 MHz	-35 dB	
Rejection @ 5100 - 6800 MHz	-25 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



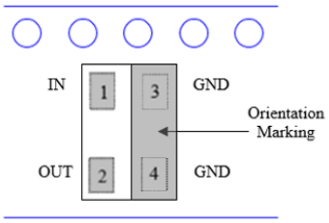
DIMENSIONS (BOTTOM VIEW)



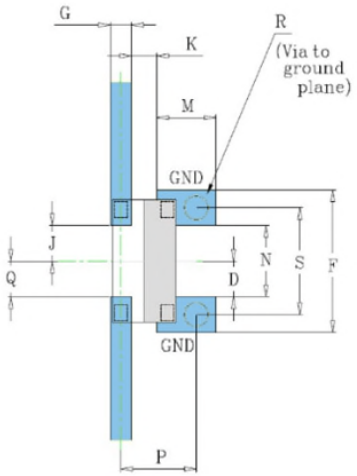
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

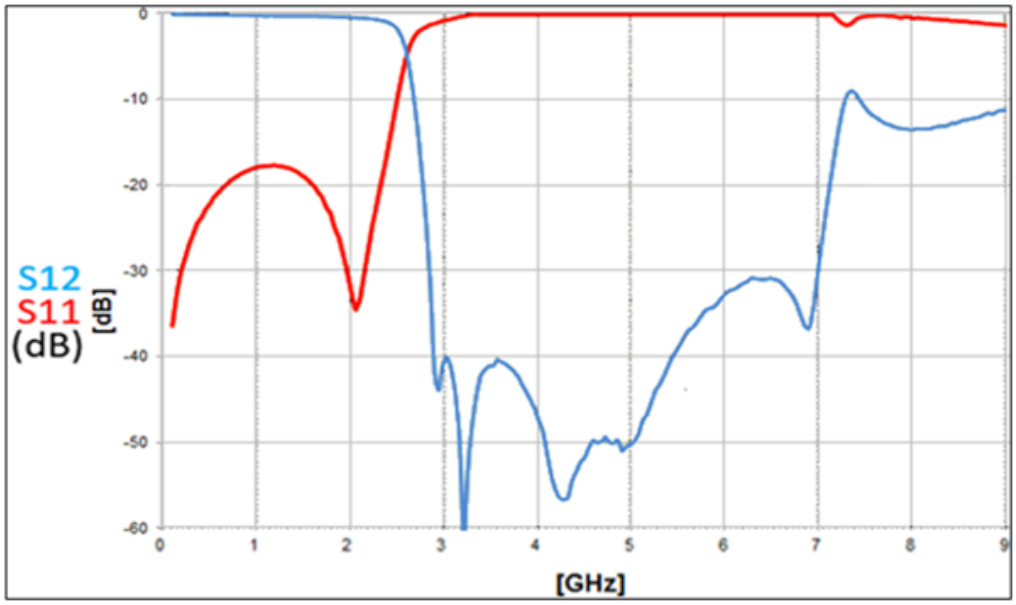
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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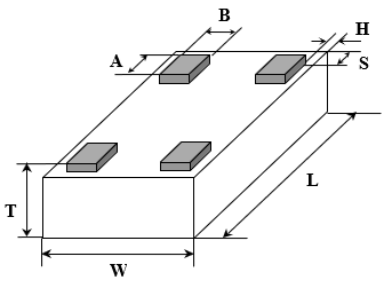
ELECTRICAL CHARACTERISTICS

LP1206A2400ANTR		
Description	**Value**	**Notes**
Fc	2400 MHz	
Insertion Loss	-0.8 dB	
Return Loss	-14 dB	
Rejection @ 3350 - 5500 MHz	-35 dB	
Rejection @ 5500 - 7200 MHz	-25 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



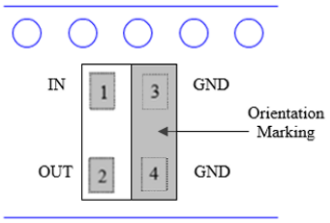
DIMENSIONS (BOTTOM VIEW)



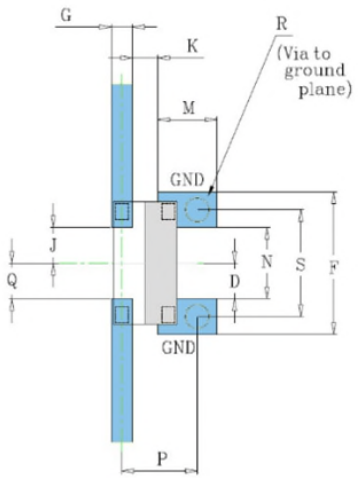
mm (inches)

L	3.10±0.10 (0.122±0.004)
W	1.60±0.10 (0.063±0.004)
T	0.60±0.20 (0.024±0.008)
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H, S	0.05±0.05 (0.002±0.002)

FILTER IN TAPE & TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT



mm (inches)

G	0.54±0.025 (0.021±0.0001)
K	0.63±0.04 (0.025±0.002)
N	1.8±0.04 (0.07±0.002)
M	0.15±0.05 (0.006±0.002)
S	2.7±0.05 (0.1±0.002)
F	3.6±0.05 (0.14±0.002)
P	1.9±0.1 (0.07±0.004)
D, Q, J	0.9±0.04 (0.035±0.002)
R	ø0.6±0.05 (0.023±0.002)

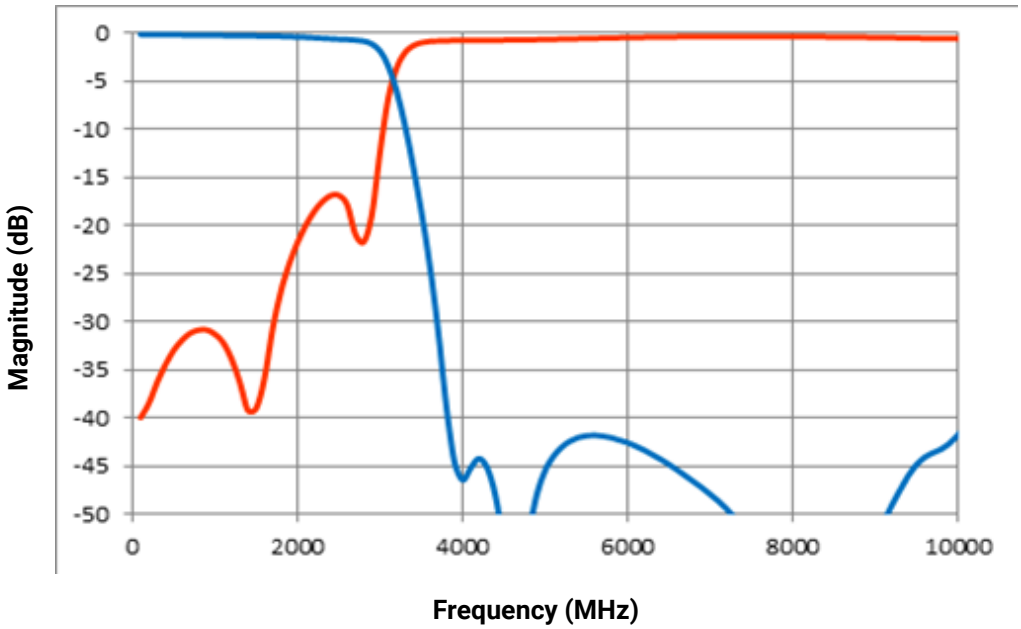
* The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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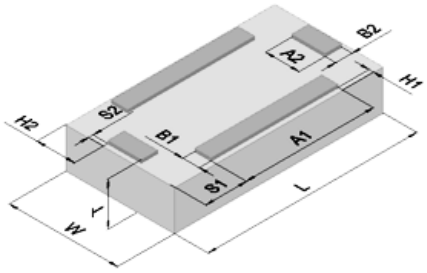
ELECTRICAL CHARACTERISTICS

LP1206A2500ANTR		
Description	**Value**	**Notes**
Fc	2500 MHz	
Insertion Loss	-0.7 dB	Max.
Return Loss	-12 dB	
Rejection @ 5000 - 10000 MHz	-35 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



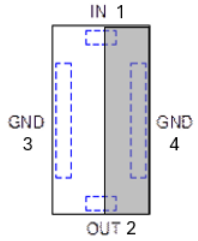
DIMENSIONS (BOTTOM VIEW)



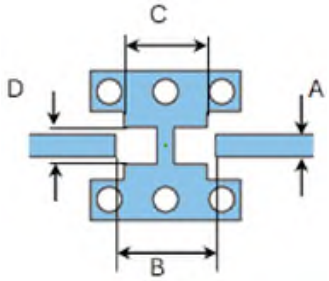
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

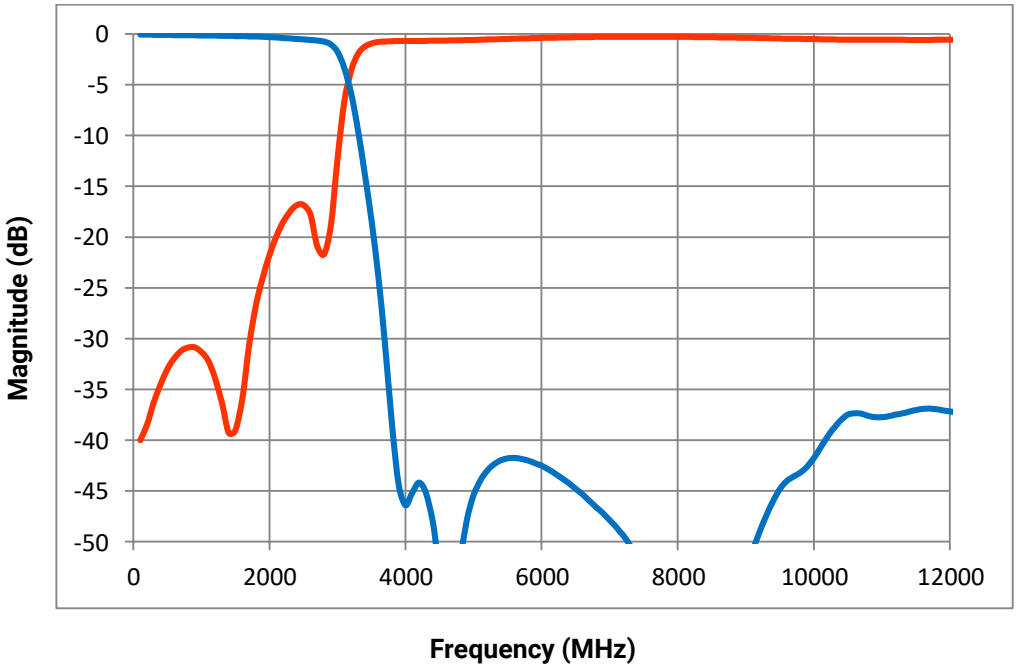
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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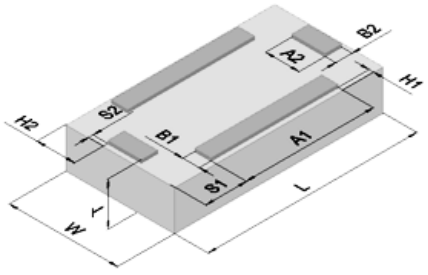
ELECTRICAL CHARACTERISTICS

LP1206A2700ANTR		
Description	**Value**	**Notes**
Fc	2.7 GHz	
Insertion Loss @ 2.7 GHz	-0.85 dB	
Return Loss @ 2.7 GHz	-12 dB	
Rejection @ 5.4 – 10 GHz	-35 dB	
Rejection @ 10.0 – 11.5 GHz	-30 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



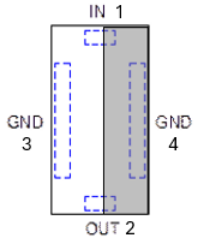
DIMENSIONS (BOTTOM VIEW)



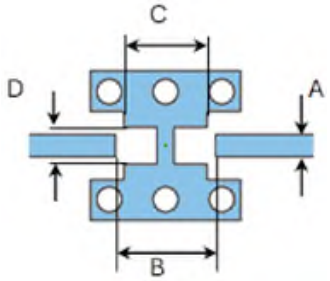
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

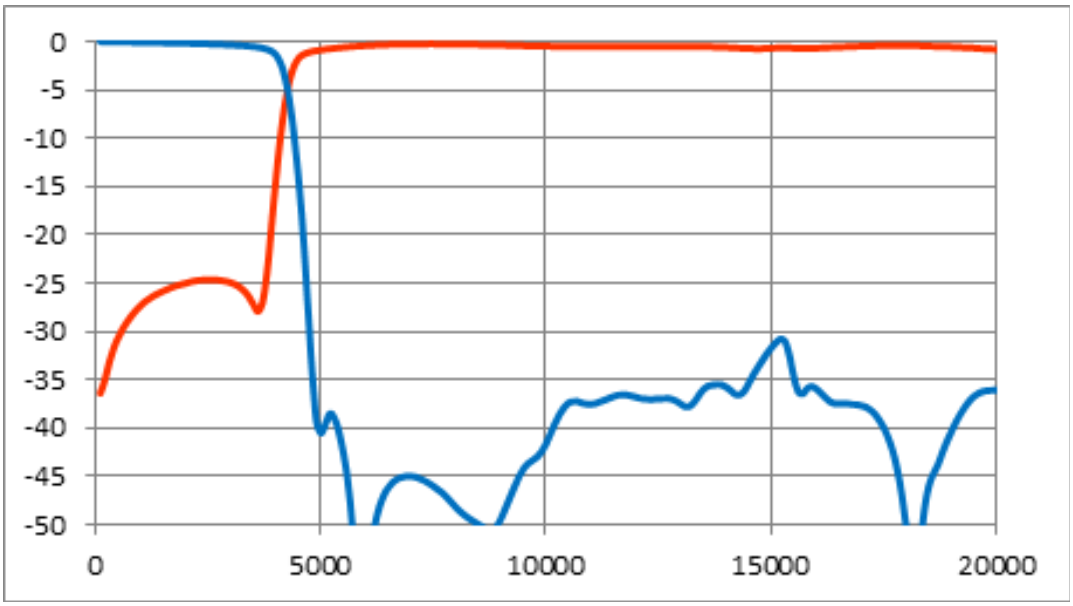
** PCB: Taconic Orcer RF-35P
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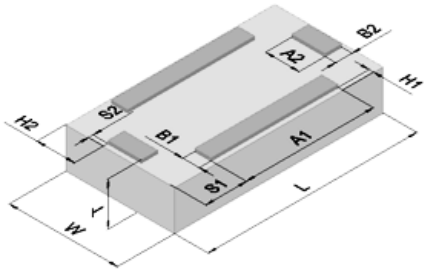
ELECTRICAL CHARACTERISTICS

LP1206A3000ANTR		
Description	**Value**	**Notes**
Fc	3000 MHz	
Insertion Loss	-0.7 dB	Max.
Return Loss	-12 dB	
Rejection @ 6.0 - 9.0 GHz	-40 dB	
Rejection @ 9.0 - 12.0 GHz	-30 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



DIMENSIONS (BOTTOM VIEW)

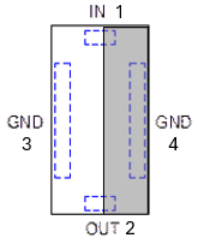


mm (inches)

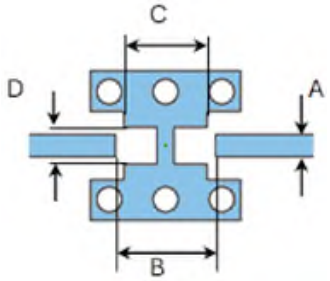
L	3.1±0.1 (0.12±0.004)
W	1.6±0.1 (0.06±0.004)
T	0.6±0.3 (0.02±0.01)
A1	1.9±0.1 (0.07±0.004)
A2	0.5±0.1 (0.02±0.004)

B1, B2	0.25±0.1 (0.01±0.004)
H1	0.06±0.06 (0.002±0.002)
H2	0.56±0.10 (0.022±0.004)
S1	0.61±0.1 (0.024±0.004)
S2	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

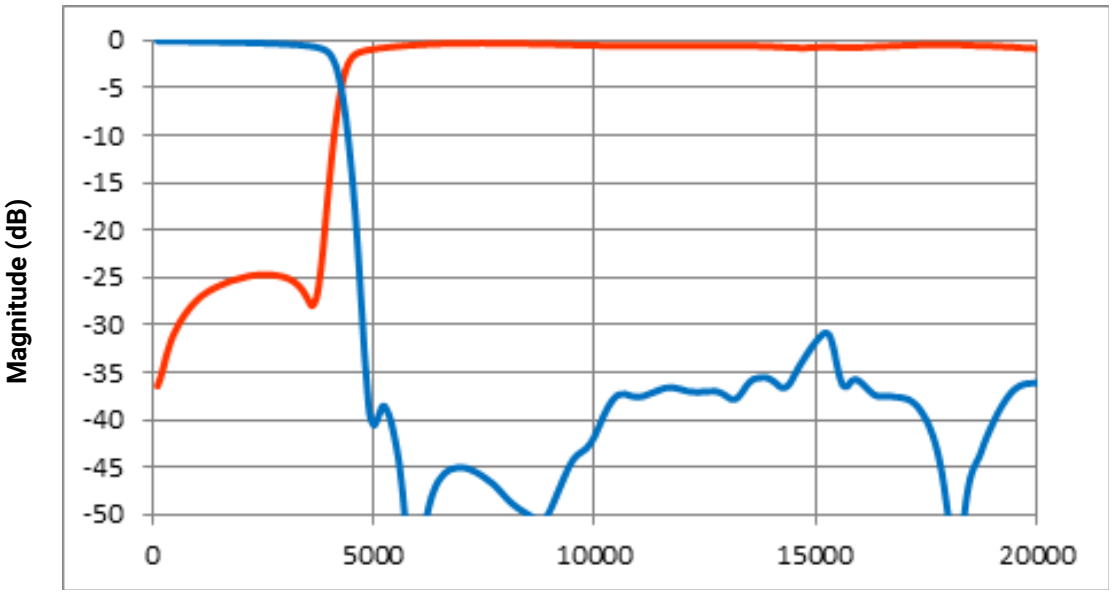
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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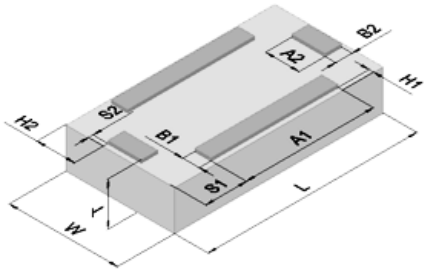
ELECTRICAL CHARACTERISTICS

LP1206A3200ANTR		
Description	**Value**	**Notes**
Fc	3200 MHz	
Insertion Loss	-0.7 dB	Max.
Return Loss	-12 dB	
Rejection @ 6.4 - 10.0 GHz	-38 dB	
Rejection @ 10.0 - 12.8 GHz	-30 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



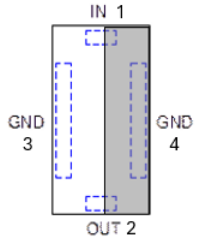
DIMENSIONS (BOTTOM VIEW)



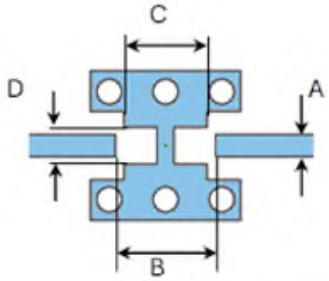
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

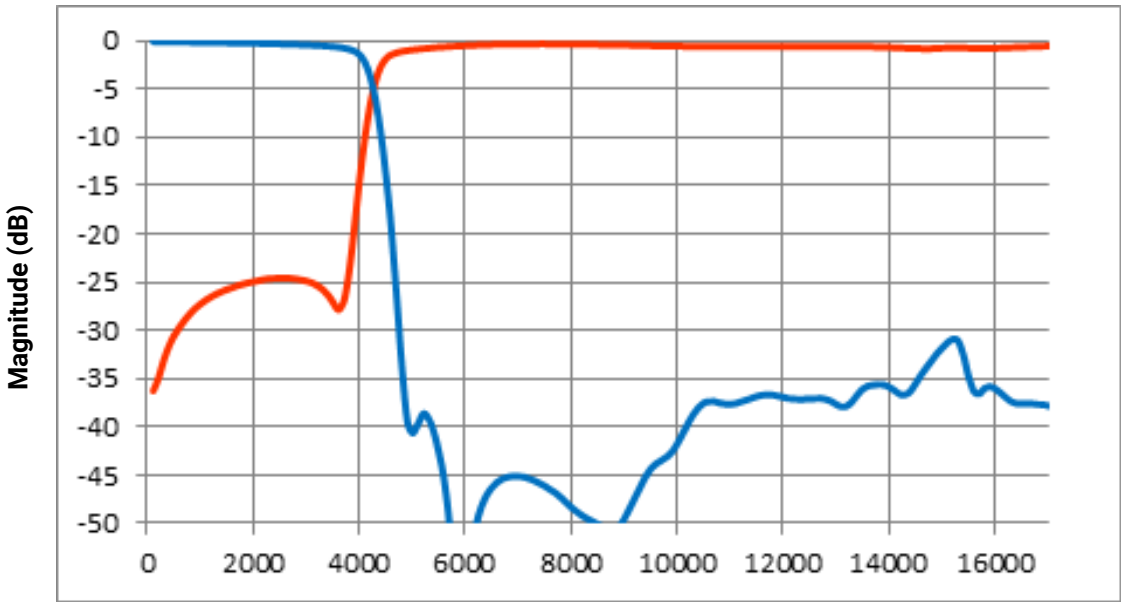
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

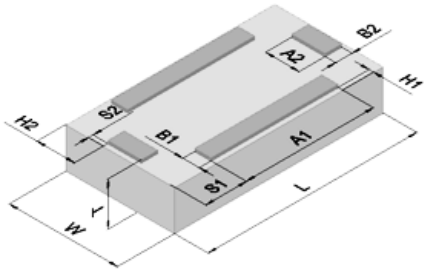
ELECTRICAL CHARACTERISTICS

LP1206A3300ANTR		
Description	**Value**	**Notes**
Fc	3300 MHz	
Insertion Loss	-0.7 dB	Max.
Return Loss	-12 dB	
Rejection @ 6.4 - 10.0 GHz	-38 dB	
Rejection @ 10.0 - 12.8 GHz	-30 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



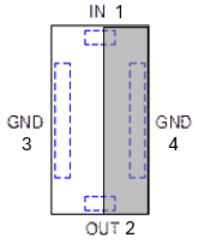
DIMENSIONS (BOTTOM VIEW)



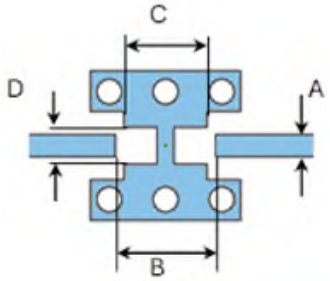
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

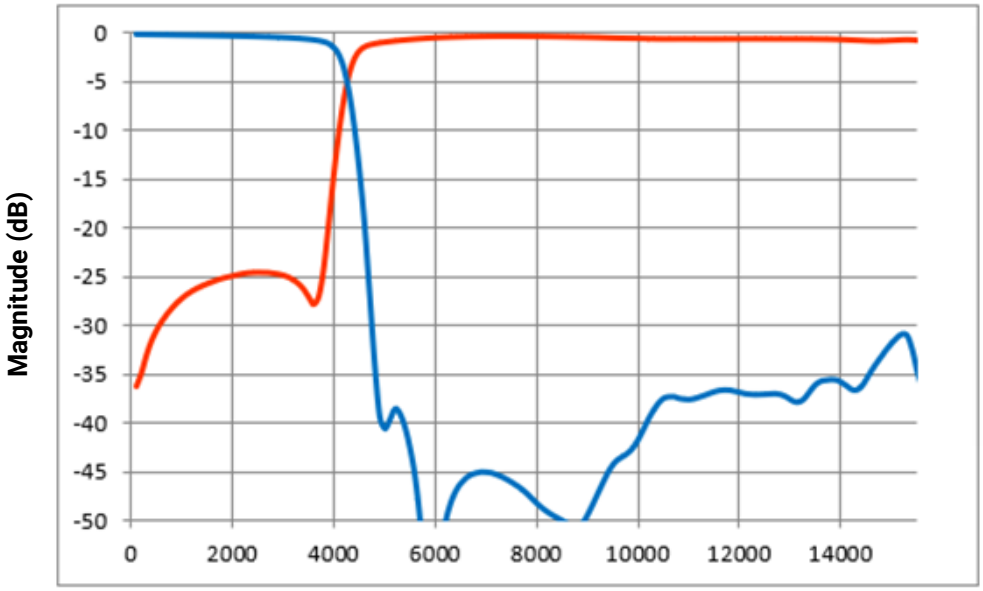
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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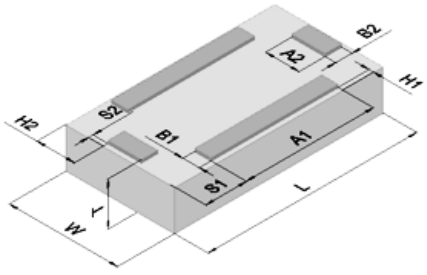
ELECTRICAL CHARACTERISTICS

LP1206A3400ANTR		
Description	**Value**	**Notes**
Fc	3400 MHz	
Insertion Loss @ 3.4 GHz	-30 dB	Max. (-0.25 typical)
Return Loss @ 3.4 GHz	-20 dB	
Rejection @ 8.7 - 10.5 GHz	-35 dB	Min.
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +100 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



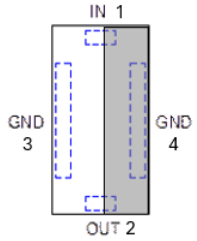
DIMENSIONS (BOTTOM VIEW)



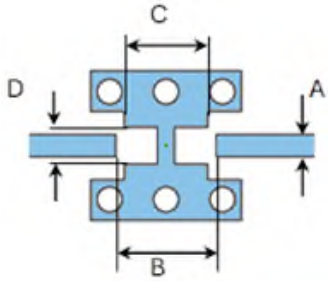
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

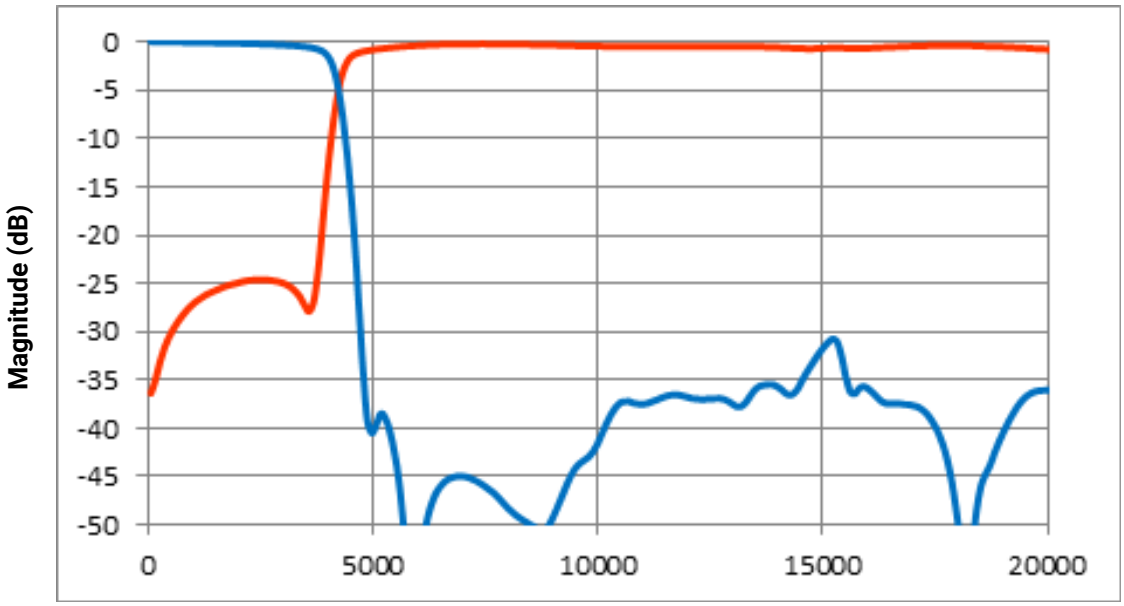
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Thin-Film RF/Microwave Filters
1206 High Performance Low Pass 12W
LP1206A3500ANTR – LGA Termination

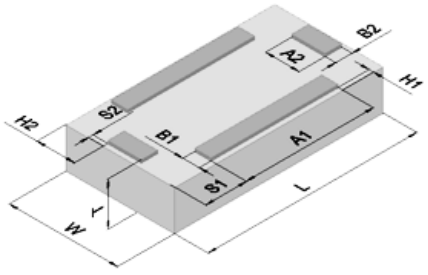
ELECTRICAL CHARACTERISTICS

LP1206A3500ANTR		
Description	**Value**	**Notes**
Fc	3500 MHz	
Insertion Loss	-0.7 dB	Max.
Return Loss	-12 dB	
Rejection @ 6.0 - 10.5 GHz	-38 dB	
Rejection @ 10.6 - 15.0 GHz	-30 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



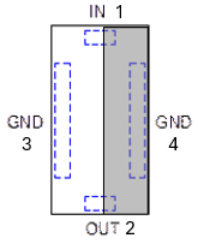
DIMENSIONS (BOTTOM VIEW)



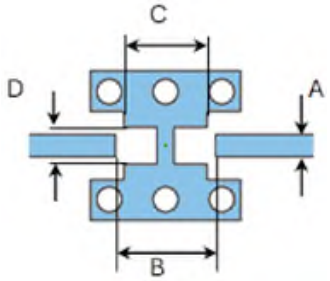
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

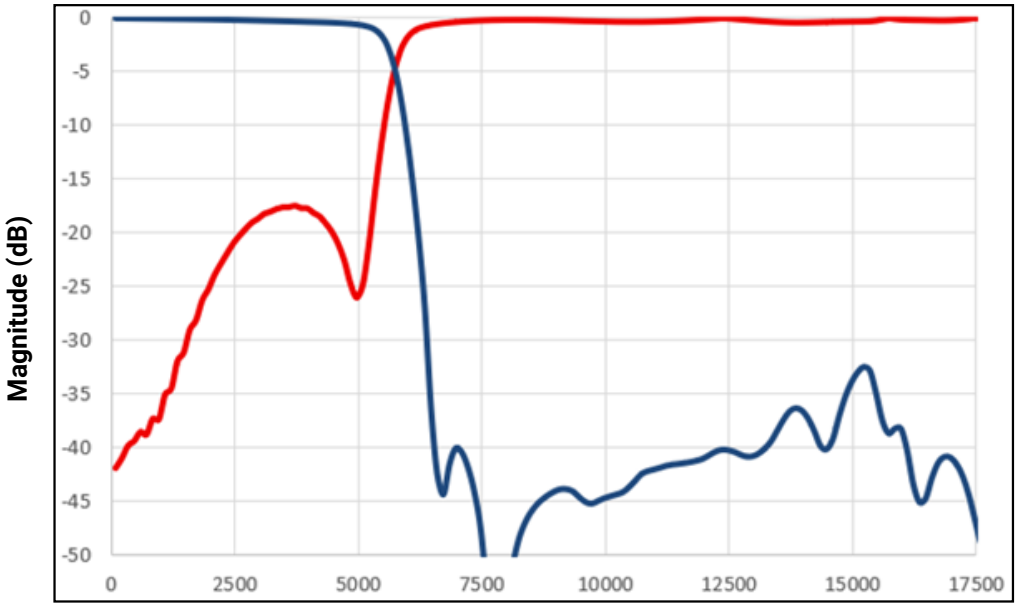
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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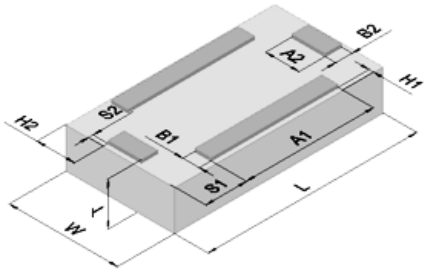
ELECTRICAL CHARACTERISTICS

LP1206A4200ANTR		
Description	**Value**	**Notes**
Fc	4200 MHz	
Insertion Loss	-0.5 dB	Max.
Return Loss	-12 dB	
Rejection @ 6.6 - 17 GHz	-30 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



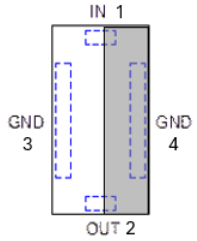
DIMENSIONS (BOTTOM VIEW)



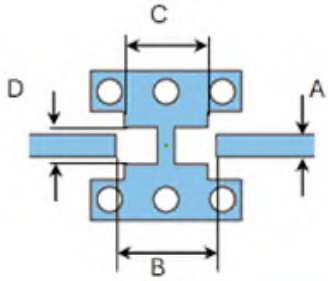
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

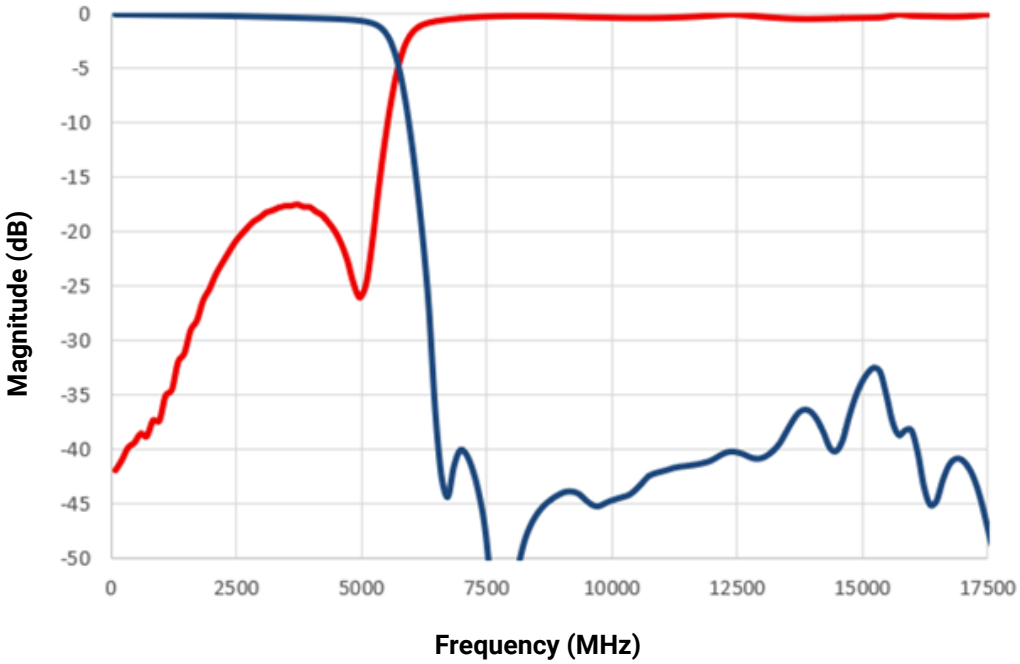
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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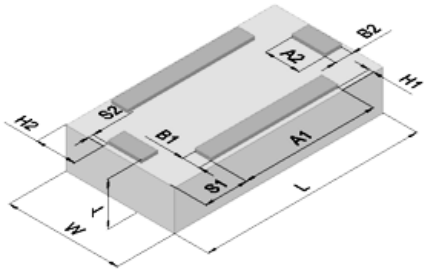
ELECTRICAL CHARACTERISTICS

LP1206A4400ANTR		
Description	**Value**	**Notes**
Fc	4.4 GHz	
Insertion Loss @ 4.4 GHz	-0.7 dB	
Return Loss @ 4.4 GHz	-15 dB	
Rejection @ 6.6 – 17.0 GHz	-30 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



DIMENSIONS (BOTTOM VIEW)

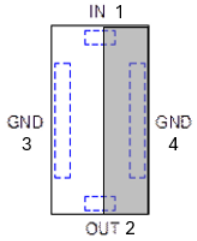


mm (inches)

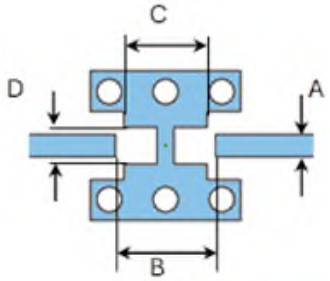
L	3.1±0.1 (0.12±0.004)
W	1.6±0.1 (0.06±0.004)
T	0.6±0.3 (0.02±0.01)
A1	1.9±0.1 (0.07±0.004)
A2	0.5±0.1 (0.02±0.004)

B1, B2	0.25±0.1 (0.01±0.004)
H1	0.06±0.06 (0.002±0.002)
H2	0.56±0.10 (0.022±0.004)
S1	0.61±0.1 (0.024±0.004)
S2	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

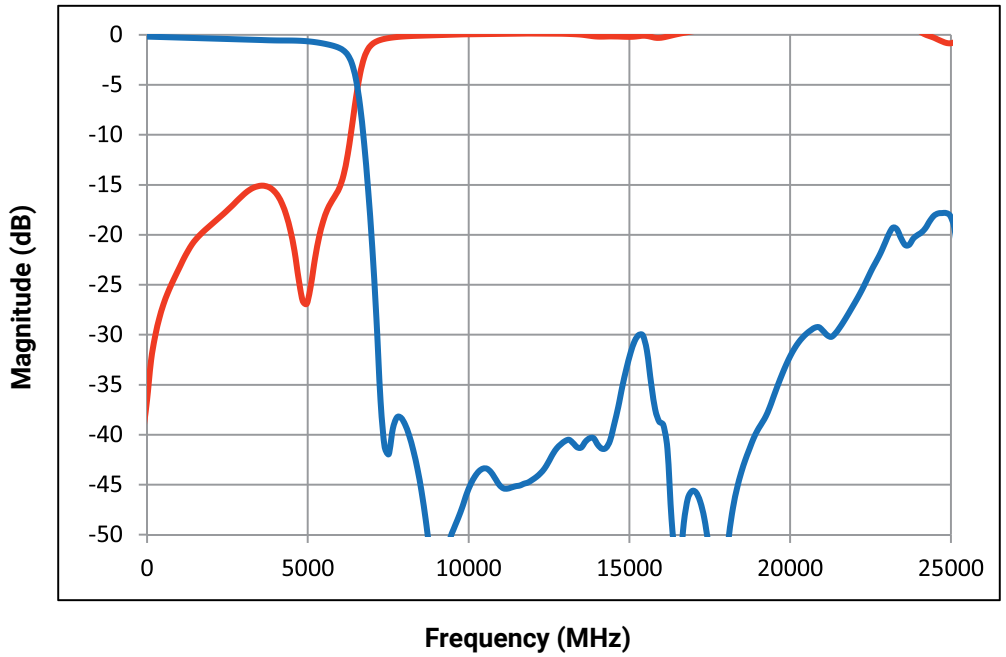
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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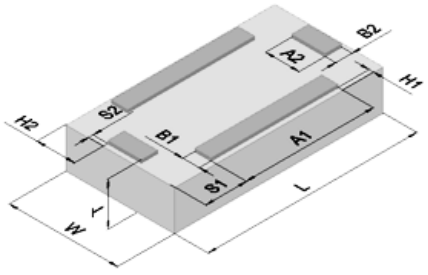
ELECTRICAL CHARACTERISTICS

LP1206A5000ANTR		
Description	**Value**	**Notes**
Fc	5000 MHz	
Insertion Loss	-0.7 dB	
Return Loss	-15 dB	
Rejection @ 9.0 - 14.0 GHz	-35 dB	
Rejection @ 14.0 - 20.0 GHz	-25 dB	
Power Handling	12 Watt	Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



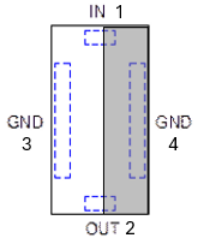
DIMENSIONS (BOTTOM VIEW)



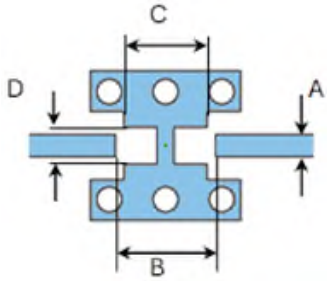
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

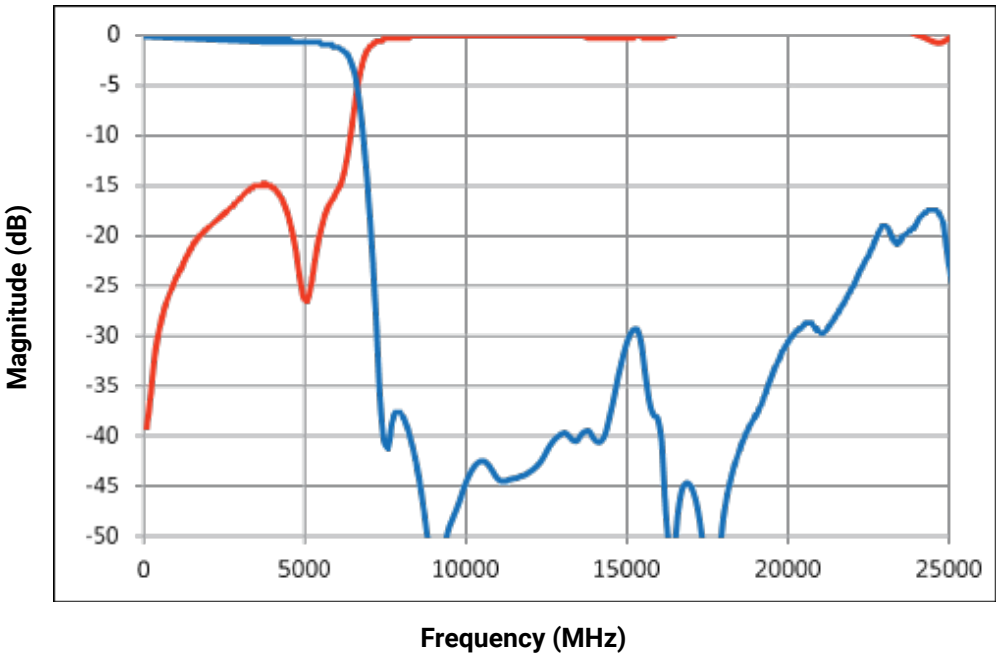
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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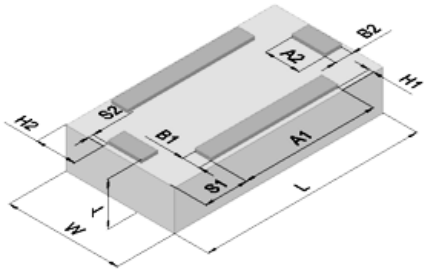
ELECTRICAL CHARACTERISTICS

LP1206A5200ANTR		
Description	**Value**	**Notes**
Fc	5200 MHz	
Insertion Loss	-0.75 dB	
Return Loss	-15 d**B**	
Rejection @ 8.0 - 14.0 GHz	-35 dB	
Rejection @ 14.0 - 20.0 GHz	-25 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



DIMENSIONS (BOTTOM VIEW)

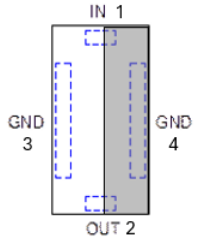


mm (inches)

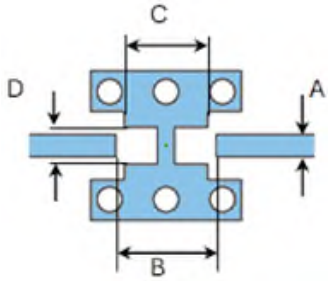
L	3.1±0.1 (0.12±0.004)
W	1.6±0.1 (0.06±0.004)
T	0.6±0.3 (0.02±0.01)
A1	1.9±0.1 (0.07±0.004)
A2	0.5±0.1 (0.02±0.004)

B1, B2	0.25±0.1 (0.01±0.004)
H1	0.06±0.06 (0.002±0.002)
H2	0.56±0.10 (0.022±0.004)
S1	0.61±0.1 (0.024±0.004)
S2	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

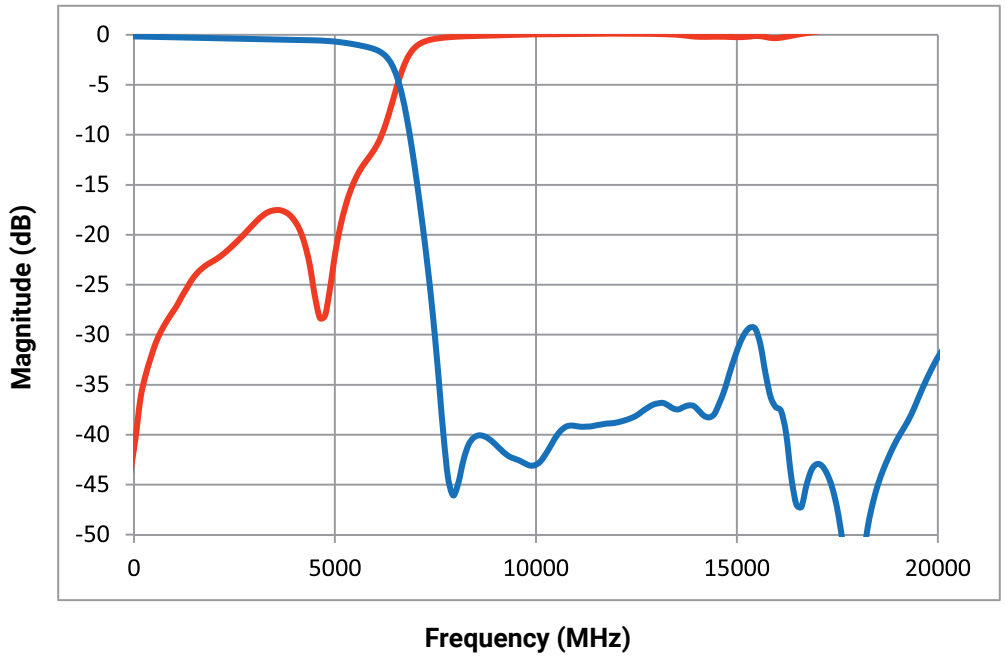
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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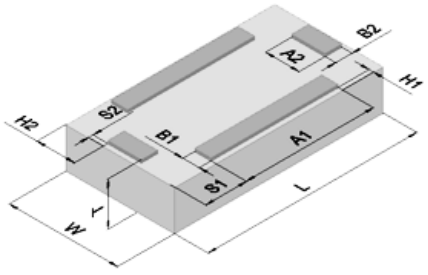
ELECTRICAL CHARACTERISTICS

LP1206A5500ANTR		
Description	**Value**	**Notes**
Fc	5500 MHz	
Insertion Loss	-1.0 dB	
Return Loss	-12 dB	
Rejection @ 9.0 - 14.0 GHz	-30 dB	
Rejection @ 14.0 - 20.0 GHz	-27 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



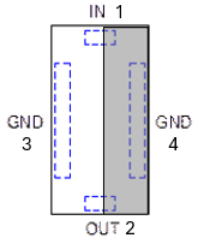
DIMENSIONS (BOTTOM VIEW)



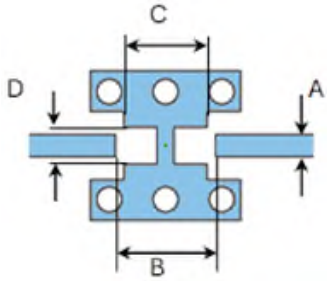
mm (inches)

L	3.1±0.1 (0.12±0.004)	**B1, B2**	0.25±0.1 (0.01±0.004)
W	1.6±0.1 (0.06±0.004)	**H1**	0.06±0.06 (0.002±0.002)
T	0.6±0.3 (0.02±0.01)	**H2**	0.56±0.10 (0.022±0.004)
A1	1.9±0.1 (0.07±0.004)	**S1**	0.61±0.1 (0.024±0.004)
A2	0.5±0.1 (0.02±0.004)	**S2**	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

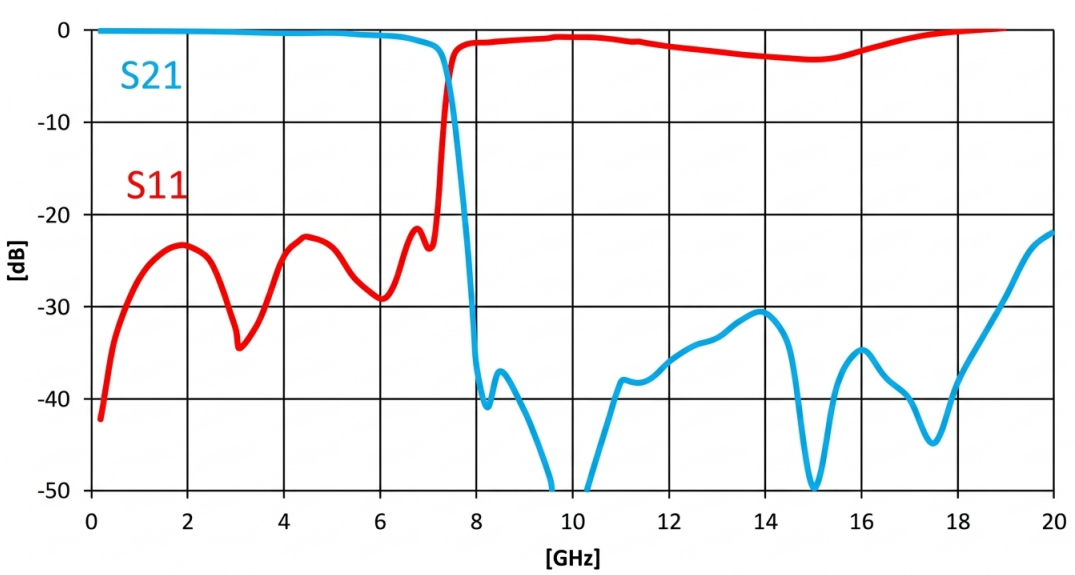
** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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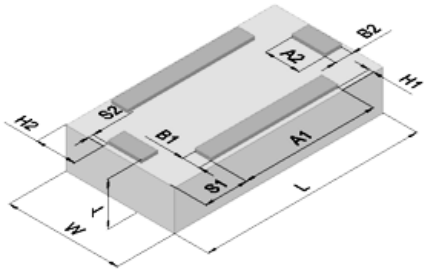
ELECTRICAL CHARACTERISTICS

LP1206A6000ANTR		
Description	**Value**	**Notes**
Fc	6000 MHz	
Insertion Loss	-0.6 dB	Max. (6 GHz)
Return Loss	-20 dB	
Rejection @ 8.5 - 12.0 GHz	-35 dB	
Rejection @ 12.0 - 18.0 GHz	-25 dB	
Power Handling	12 Watt	RF Continuous
Impedance	50 Ohm	
Operating Temperature	-40 to +85 ℃	
Size	1206	

TYPICAL ELECTRICAL PERFORMANCE



DIMENSIONS (BOTTOM VIEW)

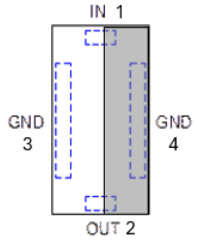


mm (inches)

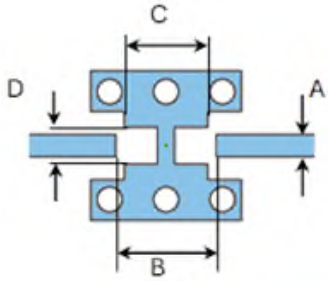
L	3.1±0.1 (0.12±0.004)
W	1.6±0.1 (0.06±0.004)
T	0.6±0.3 (0.02±0.01)
A1	1.9±0.1 (0.07±0.004)
A2	0.5±0.1 (0.02±0.004)

B1, B2	0.25±0.1 (0.01±0.004)
H1	0.06±0.06 (0.002±0.002)
H2	0.56±0.10 (0.022±0.004)
S1	0.61±0.1 (0.024±0.004)
S2	0.06±0.06 (0.002±0.002)

TERMINALS (TOP VIEW)



RECOMMENDED PAD LAYOUT (mm)



A	0.54±0.025 (0.02±0.001)
B	2.4±0.04 (0.09±0.002)
C	2.0±0.04 ((0.08±0.002)
D	0.88±0.04 (0.035±0.002)

** PCB: Taconic Orcer RF-35P
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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