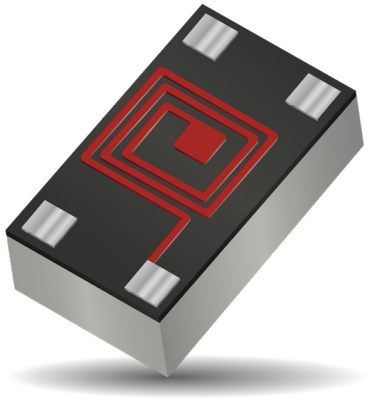
Thin-Film RF Filters

LP0603 Harmonic Low Pass Filter
Lead-Free LGA Termination

Thin-Film RF/Microwave Filters

LP0603 Harmonic Low Pass Filter Lead-Free LGA Termination

General Information



ITF TECHNOLOGY

The ITF LGA Low Pass 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 Low Pass Filters are offered in a variety of frequency bands compatible with various types of high frequency wireless systems.

APPLICATIONS

- Mobile Communications
- Satellite TV Recievers
- GPS
- Vehicle Location Systems
- Wireless LAN's

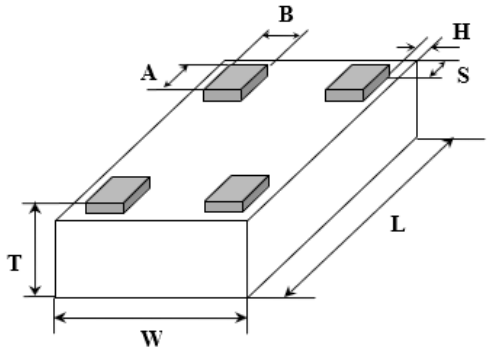
LAND GRID ARRAY ADVANTAGES

- Inherent Low Profile
- Self Alignment during Reflow
- Excellent Solderability
- Low Parasitics
- Better Heat Dissipation

HOW TO ORDER

LP	0603	A	XXXX	A	N	TR
Series	Case Size	Type	Frequency (MHz)	Sub-Type	Termination N = Nickel/Lead-Free Solder Coated (Sn100), LGA L = Nickel/Solder Coated (Sn90, Pb10), LGA	Taped & Reeled

DIMENSIONS (BOTTOM VIEW)



mm (inches)

L	1.60±0.1 (0.063±0.004)	A	0.25±0.05 (0.01±0.002)
W	0.84±0.1 (0.033±0.004)	B	0.20±0.05 (0.008±0.002)
T	0.60±0.1 (0.024±0.004)	H, S	0.05±0.05 (0.002±0.002)

FINAL QUALITY INSPECTION

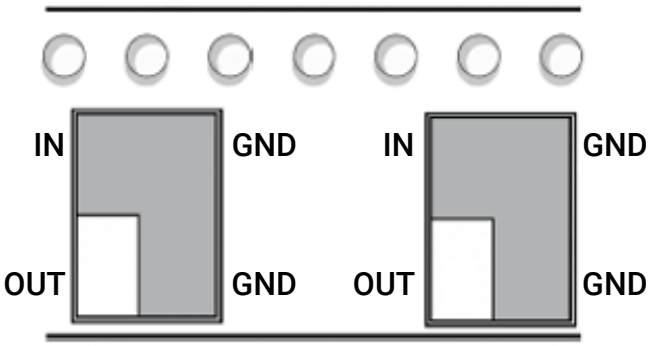
Finished parts are 100% tested for electrical parameters and visual/ mechanical characteristics. Each production lot is evaluated on a sample basis for:

- Static Humidity: 85°C, 85% RH, 160 hours
- Endurance : 125°C, IR, 4 hours

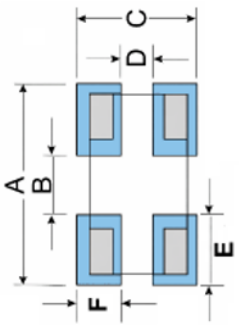
TERMINATION

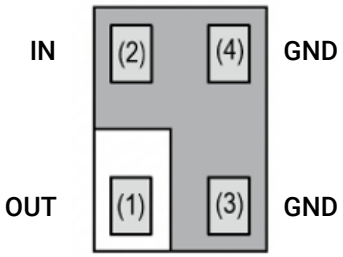
Nickel / Lead-free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

REELS



RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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ELECTRICAL SPECIFICATION

Part Number	Fc [MHz]	I. Loss [dB]	R. Loss [dB]	Rejection [dB]	Rejection [dB]
LP0603A0902ANTR	902	-0.5	-16	-25 @ 2Fc	-14 @ 3Fc
LP0603A0947ANTR	947	-0.5	-16	-25 @ 2Fc	-17 @ 3Fc
LP0603A0967ANTR	967	-0.5	-16	-25 @ 2Fc	-17 @ 3Fc
LP0603A1000ANTR	1000	-0.5	-20	-30 @ 2Fc	-15 @ 3Fc
LP0603A1735ANTR	1735	-0.5	-25	-30 @ 2Fc	-17 @ 3Fc
LP0603A1747ANTR	1747	-0.5	-16	-25 @ 2Fc	-17 @ 3Fc
LP0603A1842ANTR	1842	-0.5	-16	-25 @ 2Fc	-17 @ 3Fc
LP0603A1880ANTR	1880	-0.5	-16	-25 @ 2Fc	-17 @ 3Fc
LP0603A1950ANTR	1950	-0.5	-16	-18 @ 2Fc	-15 @ 3Fc
LP0603A2000ANTR	2000	-0.5	-30	-25 @ 2Fc	-15 @ 3Fc
LP0603A2140ANTR	2140	-0.5	-20	-27 @ 2Fc	-17 @ 3Fc
LP0603A2324ANTR	2324	-0.5	-20	-30 @ 2Fc	-18 @ 3Fc
LP0603A2442ANTR	2442	-0.5	-15	-25 @ 2Fc	-17 @ 3Fc
LP0603N3500ANTR	3500	-0.6	-25	-30 @ 2Fc	-20 @ 3Fc
LP0603N4500ANTR	4500	-0.5	-20	-35 @ 2Fc	-25 @ 3Fc
LP0603N5200ANTR	5200	-0.5	-20	-30 @ 2Fc	-20 @ 3Fc
LP0603N5500ANTR	5500	-0.5	-18	-30 @ 2Fc	-20 @ 3Fc
LP0603N6000ANTR	6000	-0.5	-20	-35 @ 2Fc	-20 @ 3Fc

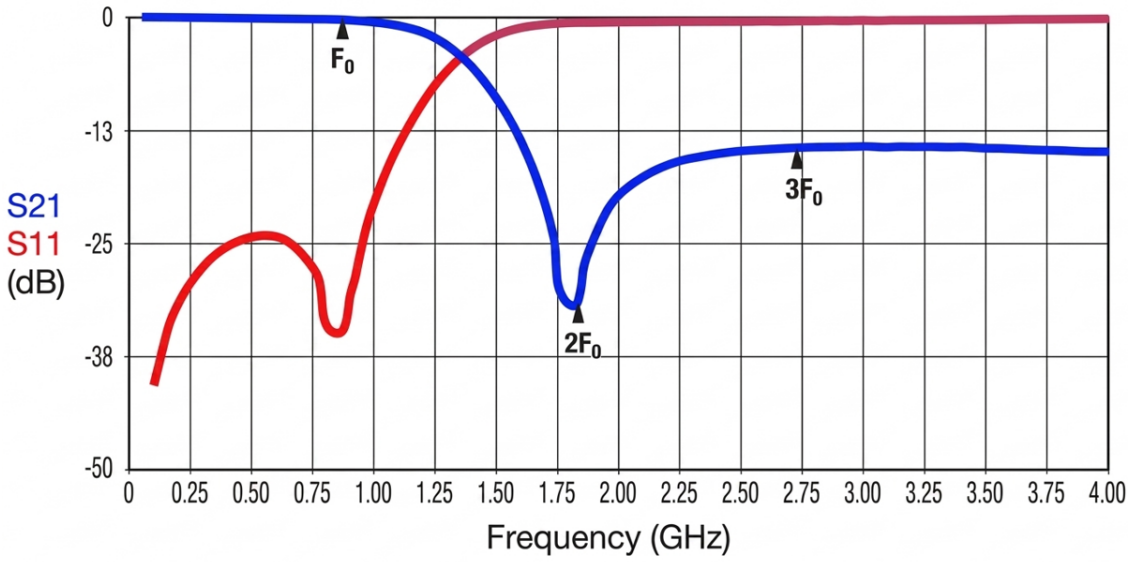
Click part number to see full specifications

ELECTRICAL CHARACTERISTICS

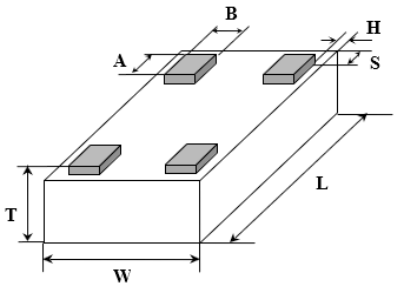
LP0603A0902ANTR	
Description	**Value**
Fc	902 MHz
I. Loss	-0.5 dB Max.
R. Loss	-16 dB
Rejection @ 2xF0	-25 dB
Rejection @ 3xF0	-14 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



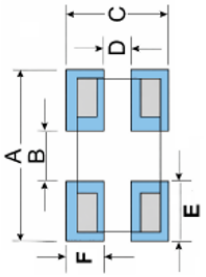
DIMENSIONS (BOTTOM VIEW)

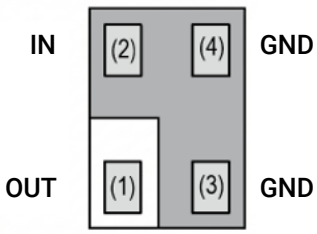


mm (inches)

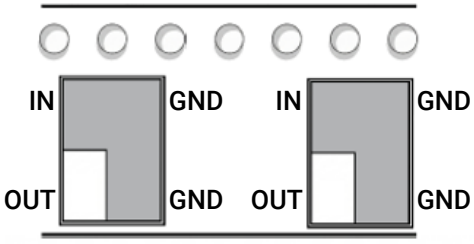
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

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mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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Thin-Film RF/Microwave Filters

LP0603 Harmonic Low Pass Filter Lead-Free LGA Termination

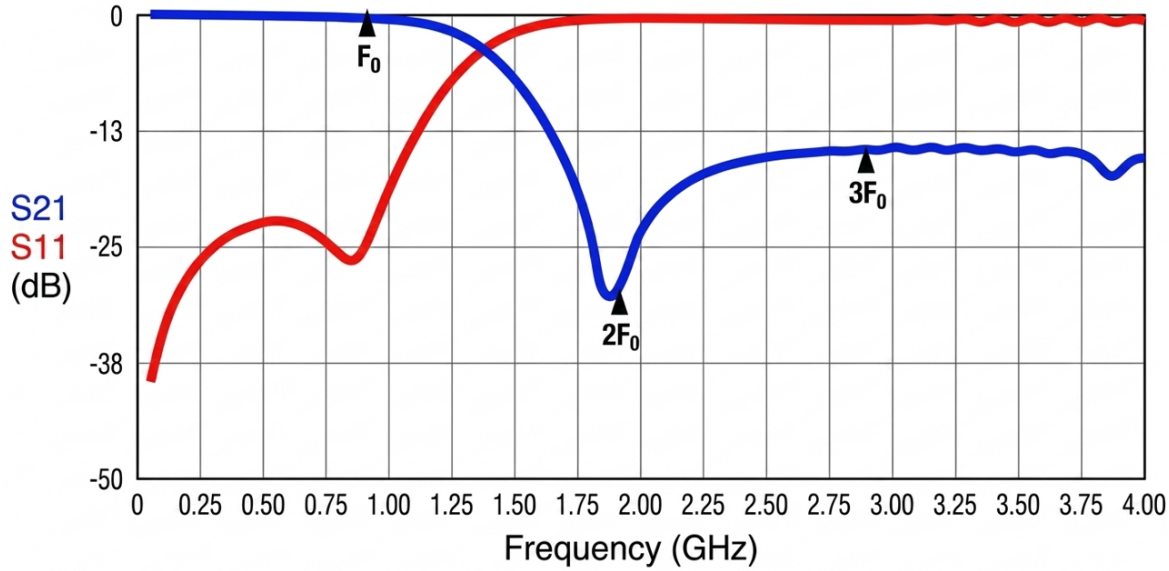
LP0603A0947ANTR

ELECTRICAL CHARACTERISTICS

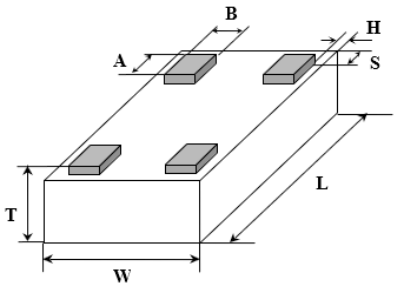
LP0603A0947ANTR	
Description	**Value**
Fc	947 MHz
I. Loss	-0.5 dB Max.
R. Loss	-16 dB
Rejection @ 2xF0	-25 dB
Rejection @ 3xF0	-17 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



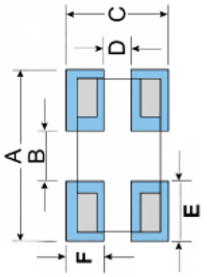
DIMENSIONS (BOTTOM VIEW)

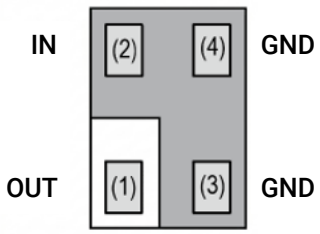


mm (inches)

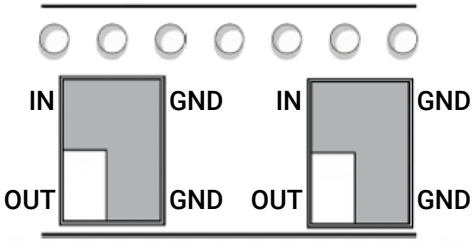
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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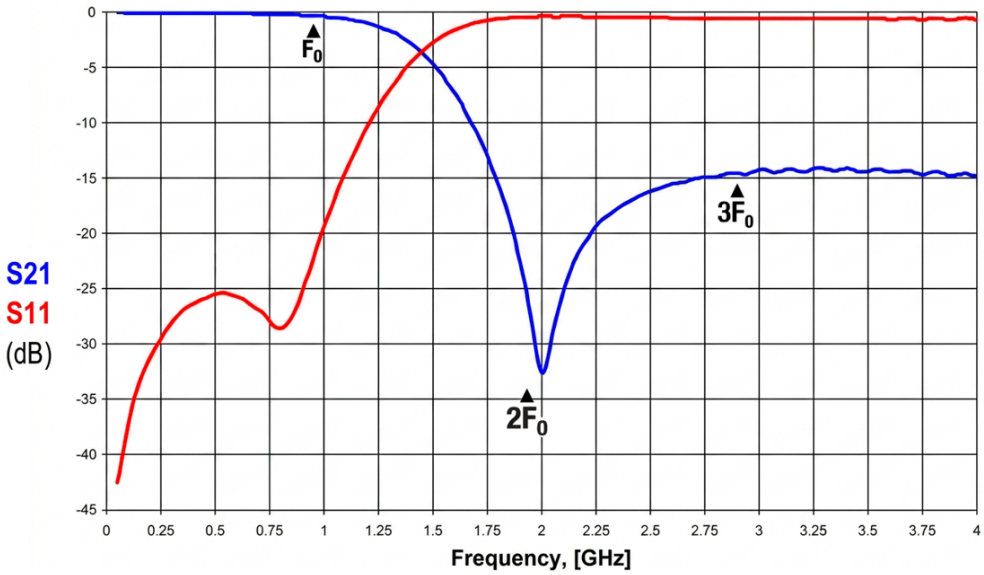
ELECTRICAL CHARACTERISTICS

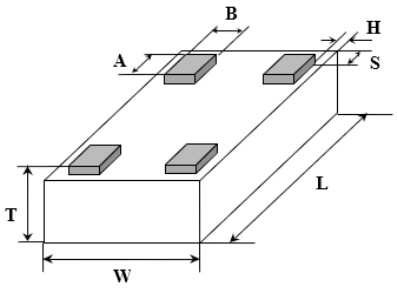
LP0603A0967ANTR	
Description	**Value**
Fc	967 MHz
I. Loss	-0.5 dB Max.
R. Loss	-16 dB
Rejection @ 2xF0	-25 dB
Rejection @ 3xF0	-17 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



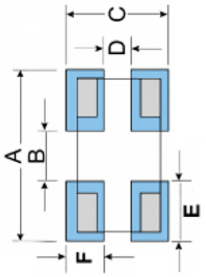
DIMENSIONS (BOTTOM VIEW)

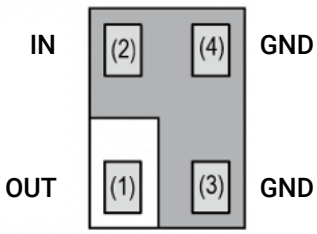


mm (inches)

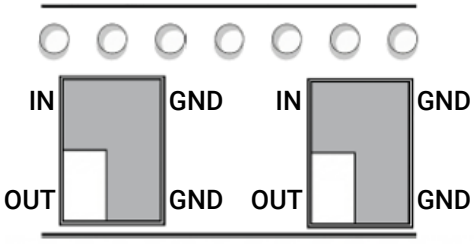
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



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mm (inches)

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B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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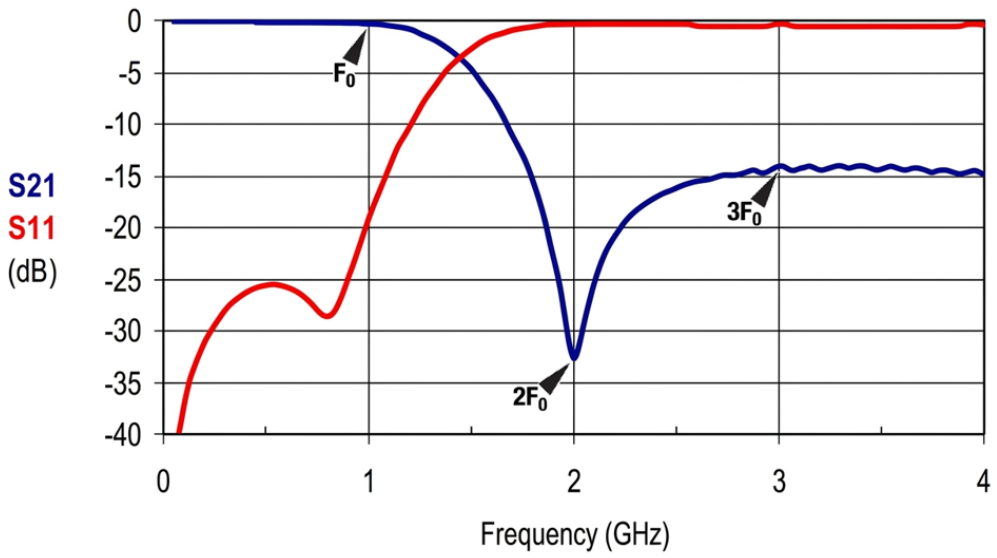
ELECTRICAL CHARACTERISTICS

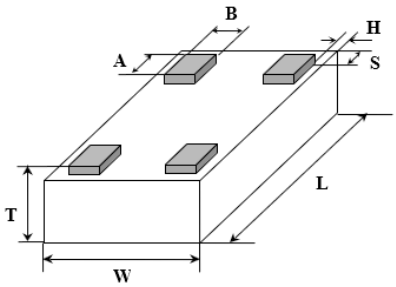
LP0603A1000ANTR	
Description	**Value**
Fc	1000 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xF0	-30 dB
Rejection @ 3xF0	-15 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



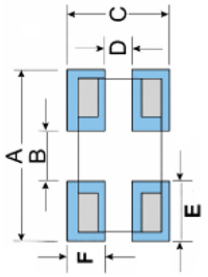
DIMENSIONS (BOTTOM VIEW)

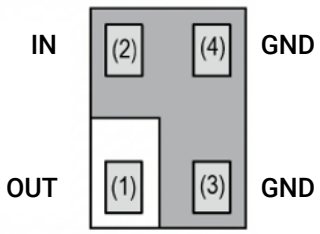


mm (inches)

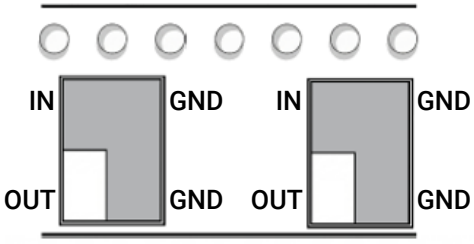
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



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mm (inches)

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B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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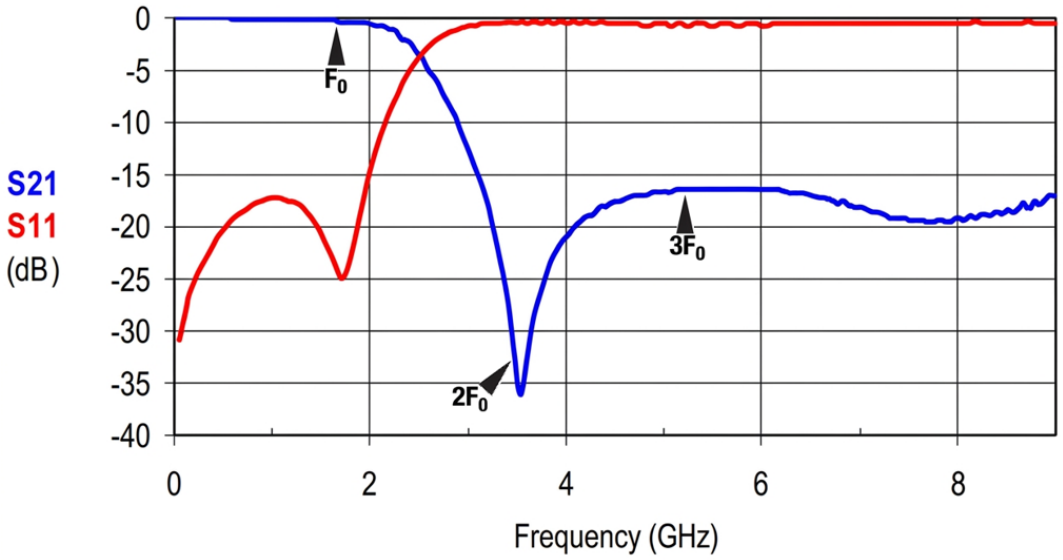
ELECTRICAL CHARACTERISTICS

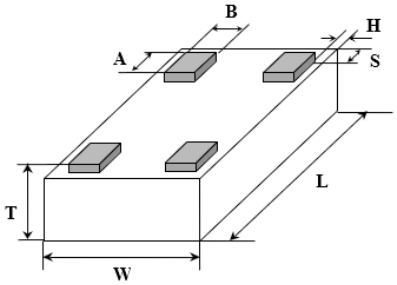
LP0603A1735ANTR	
Description	**Value**
Fc	1735 MHz
I. Loss	-0.5 dB Max.
R. Loss	-25 dB
Rejection @ 2xF0	-30 dB
Rejection @ 3xF0	-17 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



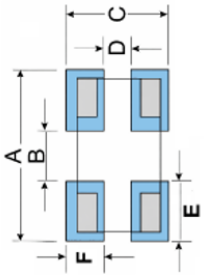
DIMENSIONS (BOTTOM VIEW)

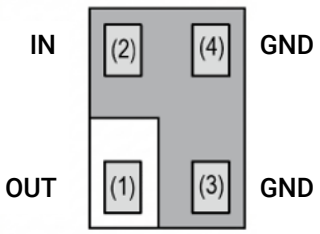


mm (inches)

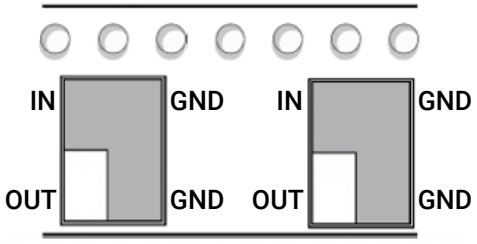
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

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B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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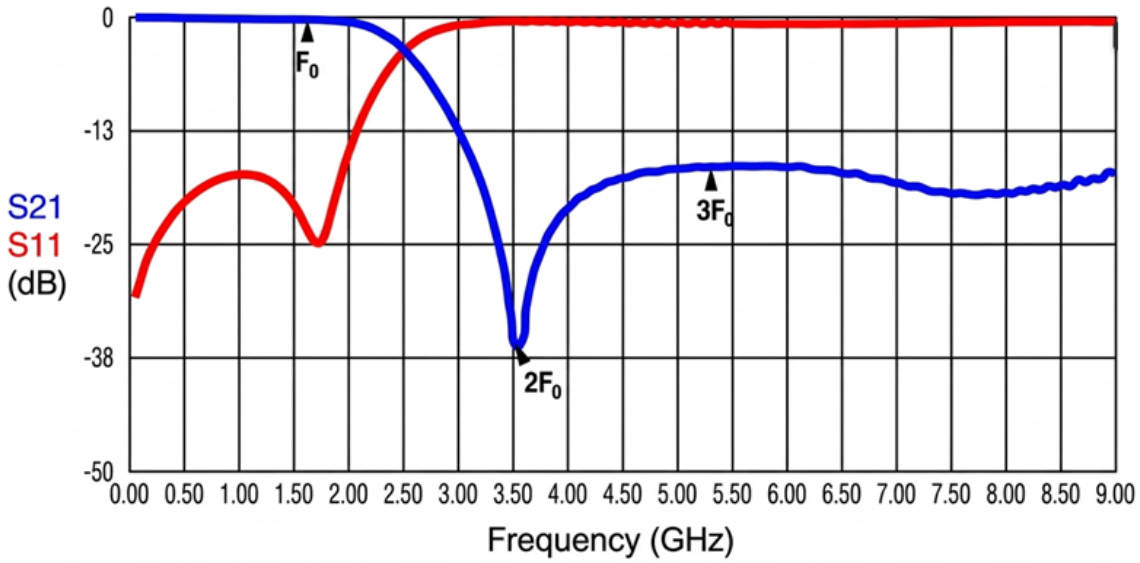
ELECTRICAL CHARACTERISTICS

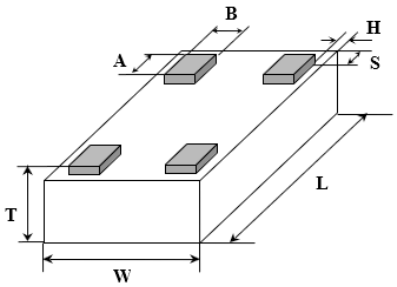
LP0603A1747ANTR	
Description	**Value**
Fc	1747 MHz
I. Loss	-0.5 dB Max.
R. Loss	-16 dB
Rejection @ 2xF0	-25 dB
Rejection @ 3xF0	-17 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



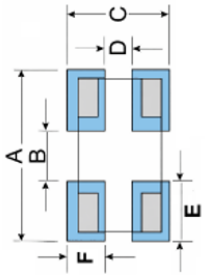
DIMENSIONS (BOTTOM VIEW)

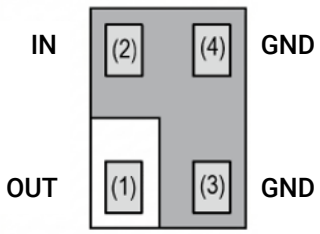


mm (inches)

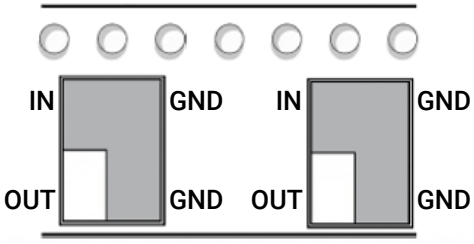
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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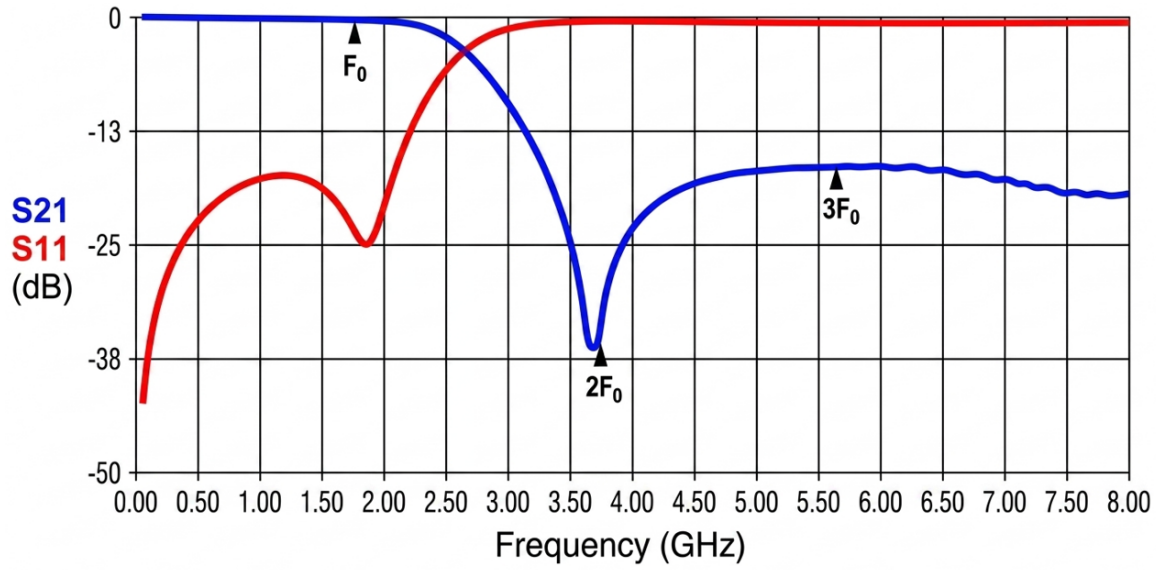
ELECTRICAL CHARACTERISTICS

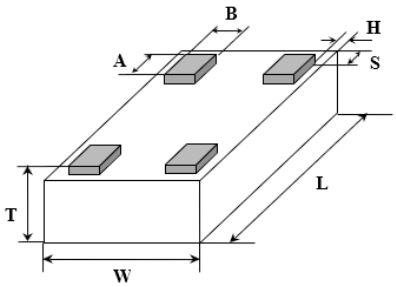
LP0603A1842ANTR	
Description	**Value**
Fc	1842 MHz
I. Loss	-0.5 dB Max.
R. Loss	-16 dB
Rejection @ 2xF0	-25 dB
Rejection @ 3xF0	-17 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



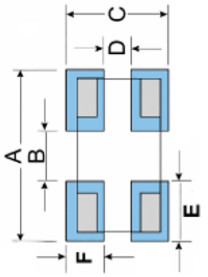
DIMENSIONS (BOTTOM VIEW)

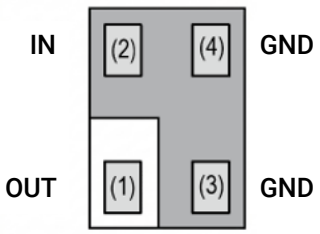


mm (inches)

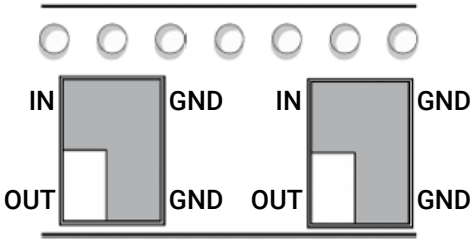
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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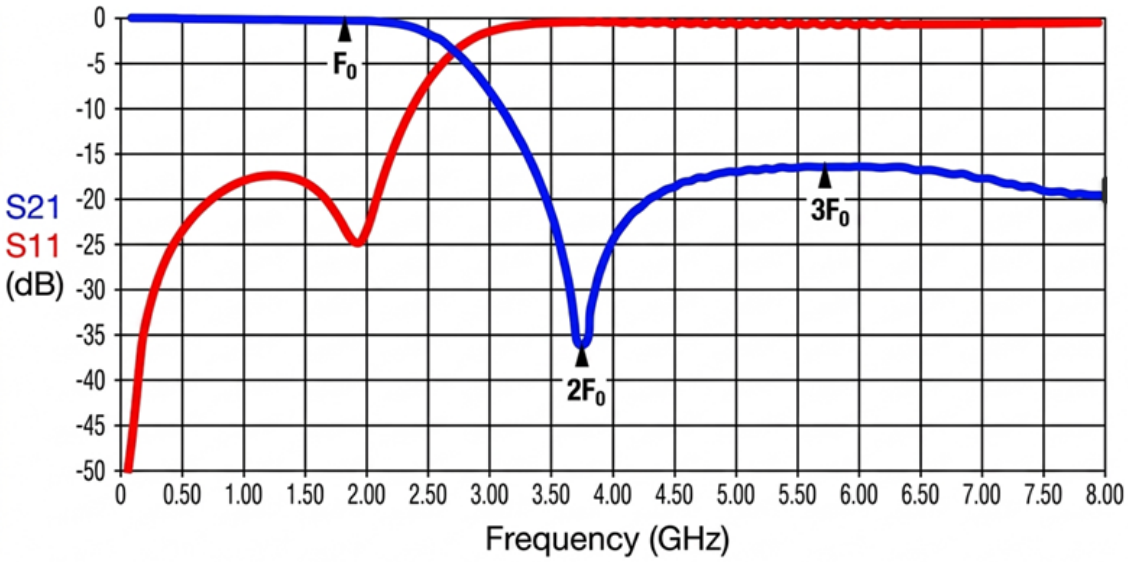
ELECTRICAL CHARACTERISTICS

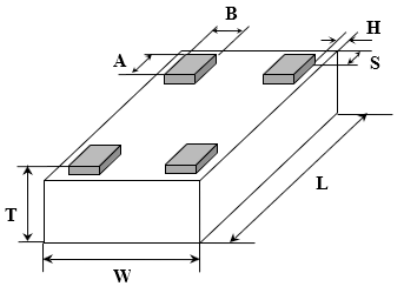
LP0603A1880ANTR	
Description	**Value**
Fc	1880 MHz
I. Loss	-0.5 dB Max.
R. Loss	-16 dB
Rejection @ 2xF0	-25 dB
Rejection @ 3xF0	-17 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



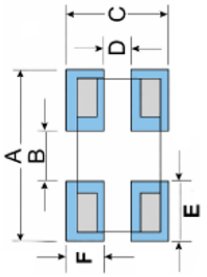
DIMENSIONS (BOTTOM VIEW)

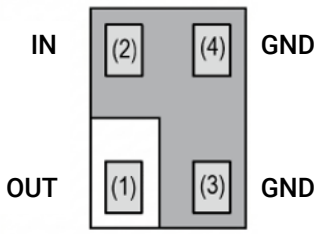


mm (inches)

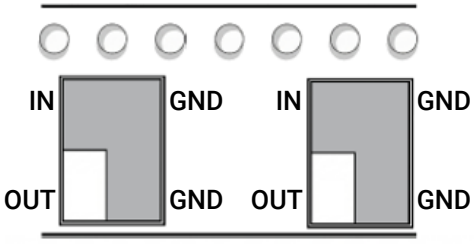
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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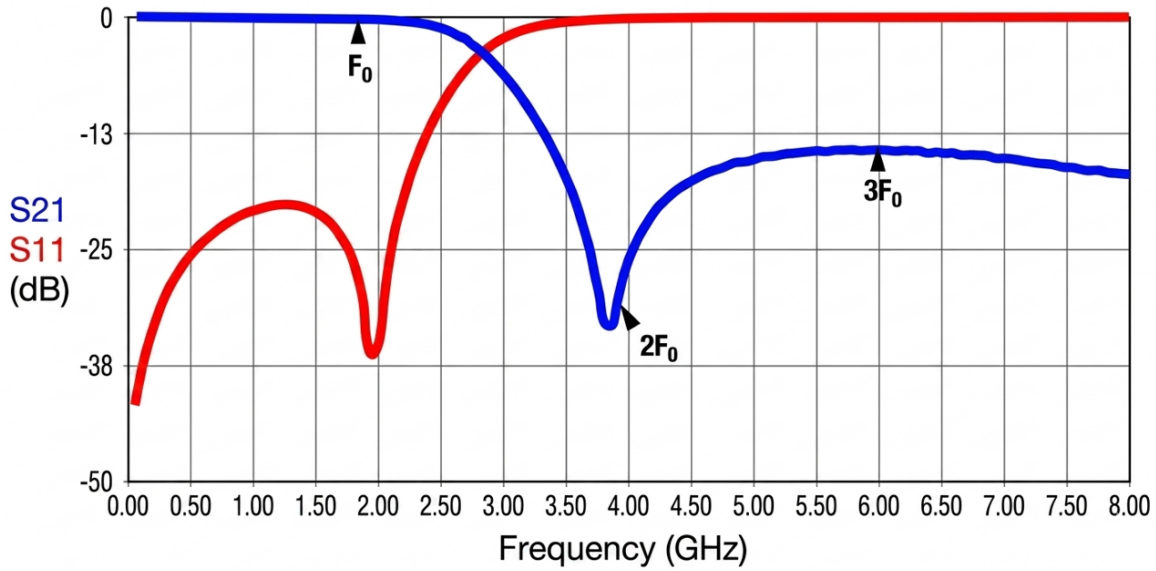
ELECTRICAL CHARACTERISTICS

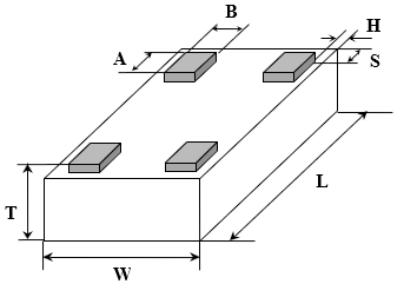
LP0603A1950ANTR	
Description	**Value**
Fc	1950 MHz
I. Loss	-0.5 dB Max.
R. Loss	-16 dB
Rejection @ 2xF0	-18 dB
Rejection @ 3xF0	-15 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



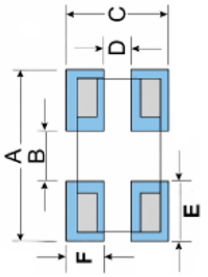
DIMENSIONS (BOTTOM VIEW)

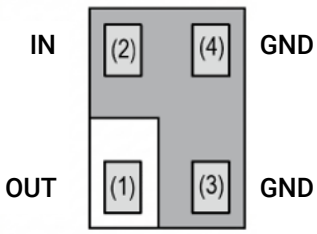


mm (inches)

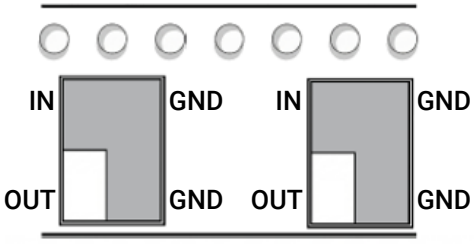
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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Thin-Film RF/Microwave Filters

LP0603 Harmonic Low Pass Filter Lead-Free LGA Termination

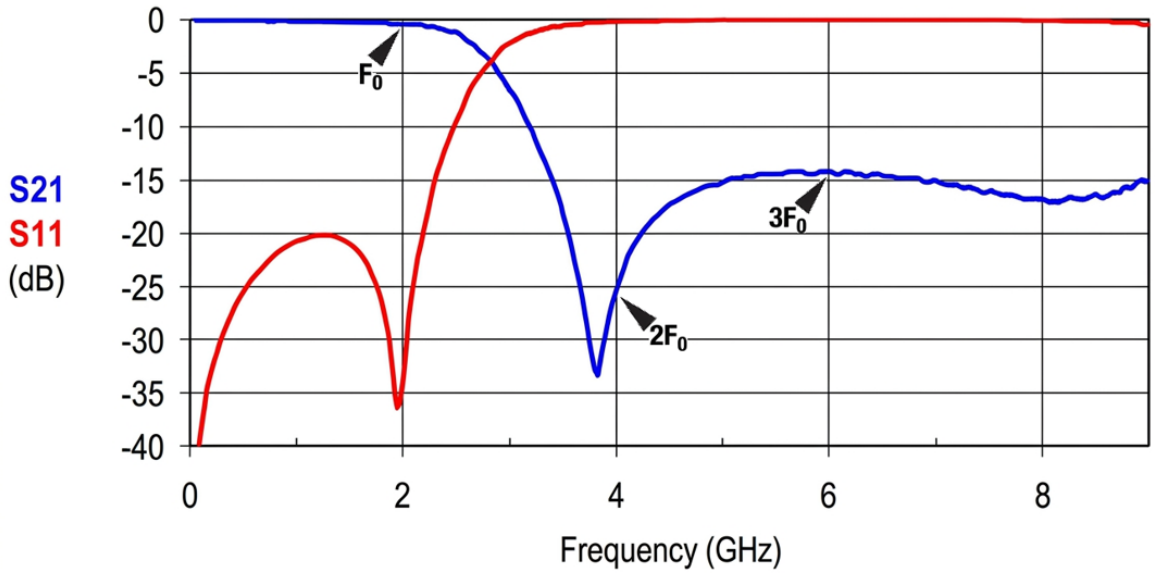
LP0603A2000ANTR

ELECTRICAL CHARACTERISTICS

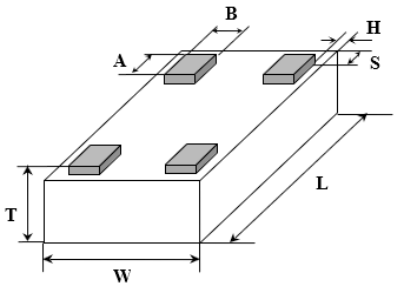
LP0603A2000ANTR	
Description	**Value**
Fc	2000 MHz
I. Loss	-0.5 dB Max.
R. Loss	-30 dB
Rejection @ 2xF0	-25 dB
Rejection @ 3xF0	-15 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



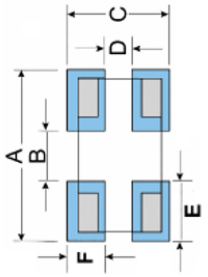
DIMENSIONS (BOTTOM VIEW)

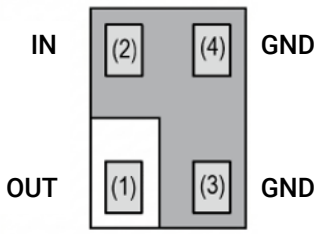


mm (inches)

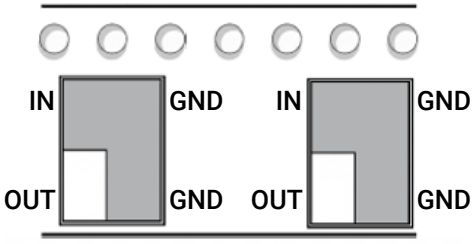
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)
B	0.75±0.05 (0.029±0.002)
C	1.10±0.05 (0.043±0.002)
D	0.30±0.05 (0.011±0.002)
E	0.50±0.05 (0.020±0.002)
F	0.40±0.05 (0.016±0.002)

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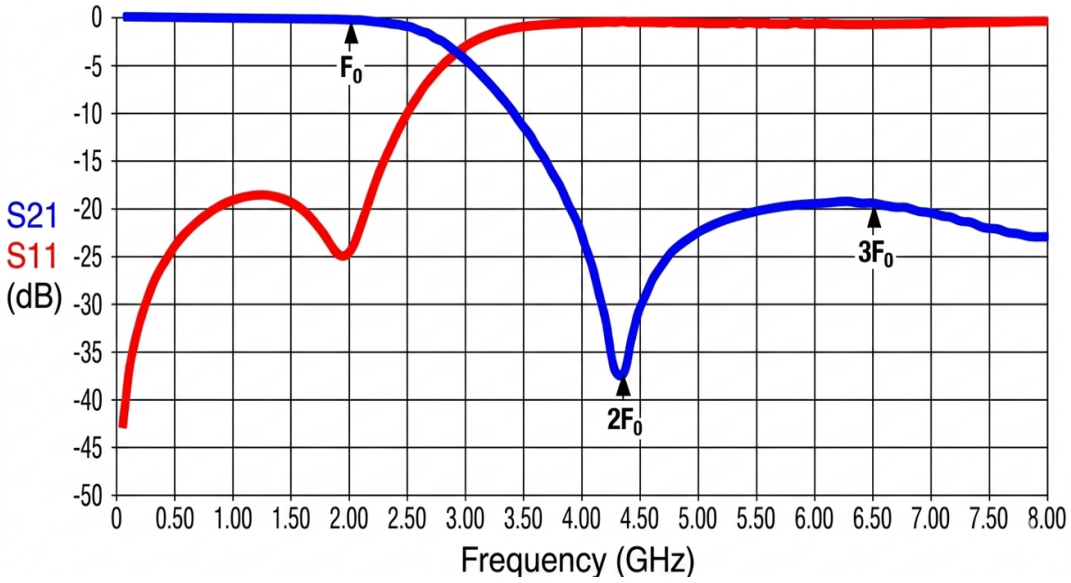
ELECTRICAL CHARACTERISTICS

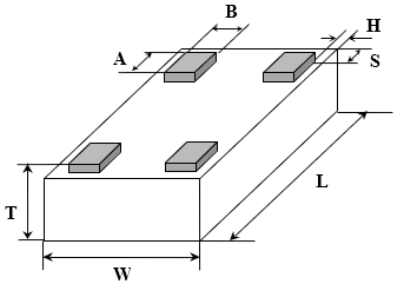
LP0603A2140ANTR	
Description	**Value**
Fc	2140 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xF0	-27 dB
Rejection @ 3xF0	-17 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



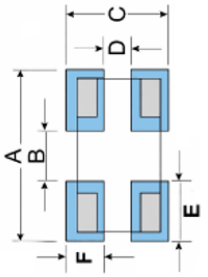
DIMENSIONS (BOTTOM VIEW)

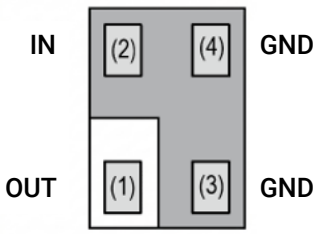


mm (inches)

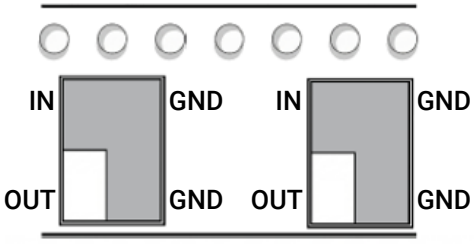
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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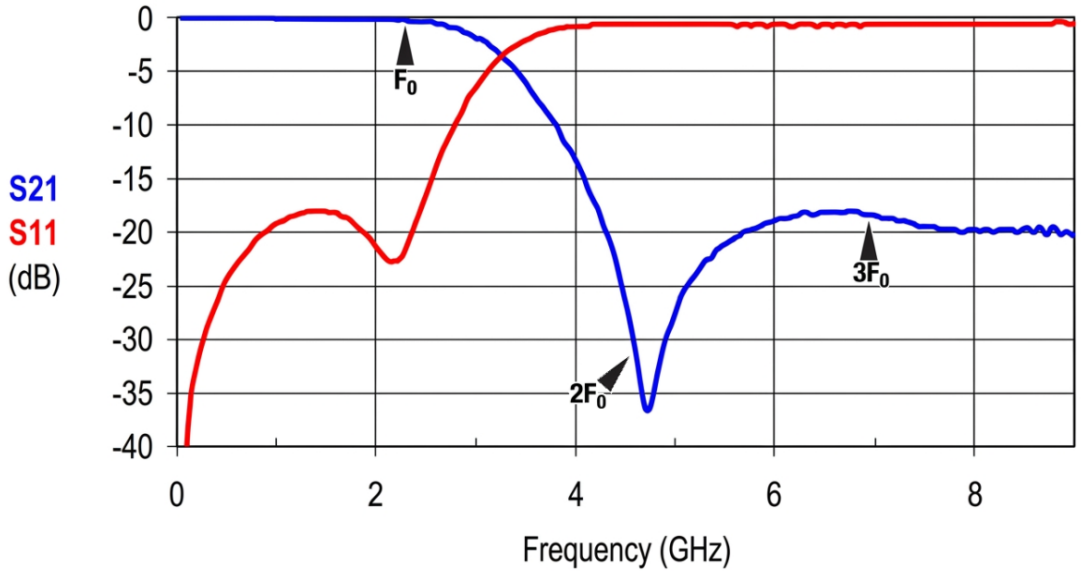
ELECTRICAL CHARACTERISTICS

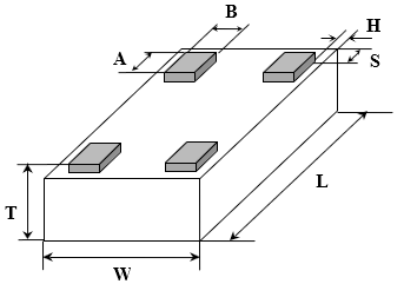
LP0603A2324ANTR	
Description	**Value**
Fc	2324 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xF0	-30 dB
Rejection @ 3xF0	-18 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



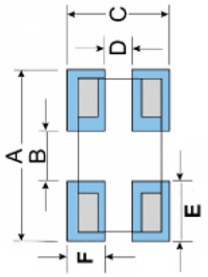
DIMENSIONS (BOTTOM VIEW)

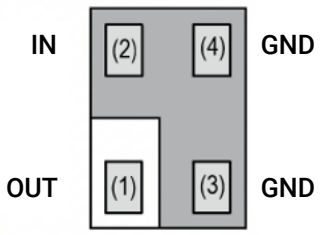


mm (inches)

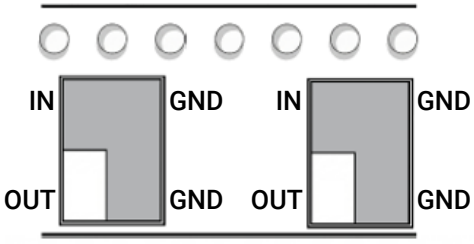
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)
B	0.75±0.05 (0.029±0.002)
C	1.10±0.05 (0.043±0.002)

D	0.30±0.05 (0.011±0.002)
E	0.50±0.05 (0.020±0.002)
F	0.40±0.05 (0.016±0.002)

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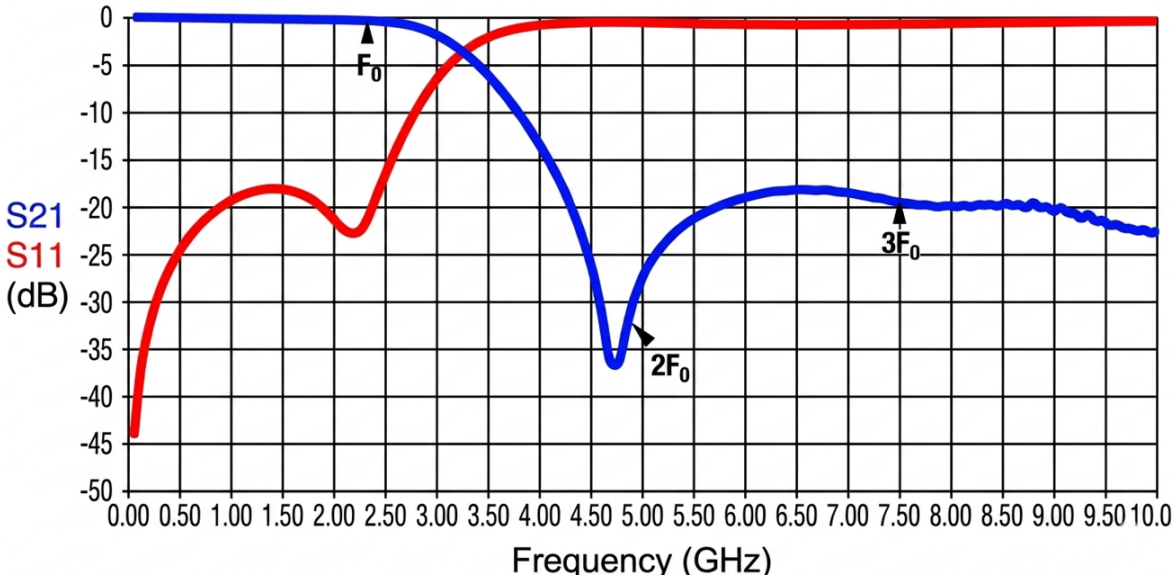
ELECTRICAL CHARACTERISTICS

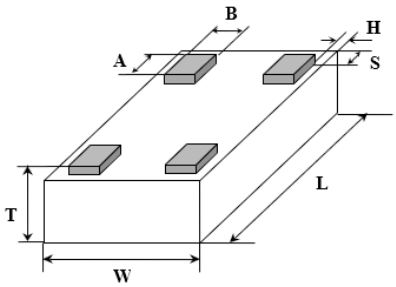
LP0603A2442ANTR	
Description	**Value**
Fc	2442 MHz
I. Loss	-0.5 dB Max.
R. Loss	-15 dB
Rejection @ 2xF0	-25 dB
Rejection @ 3xF0	-17 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



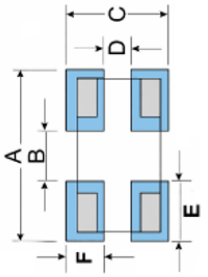
DIMENSIONS (BOTTOM VIEW)

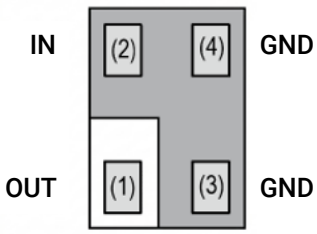


mm (inches)

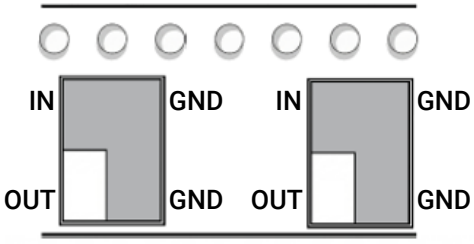
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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Thin-Film RF/Microwave Filters

LP0603 Harmonic Low Pass Filter Lead-Free LGA Termination

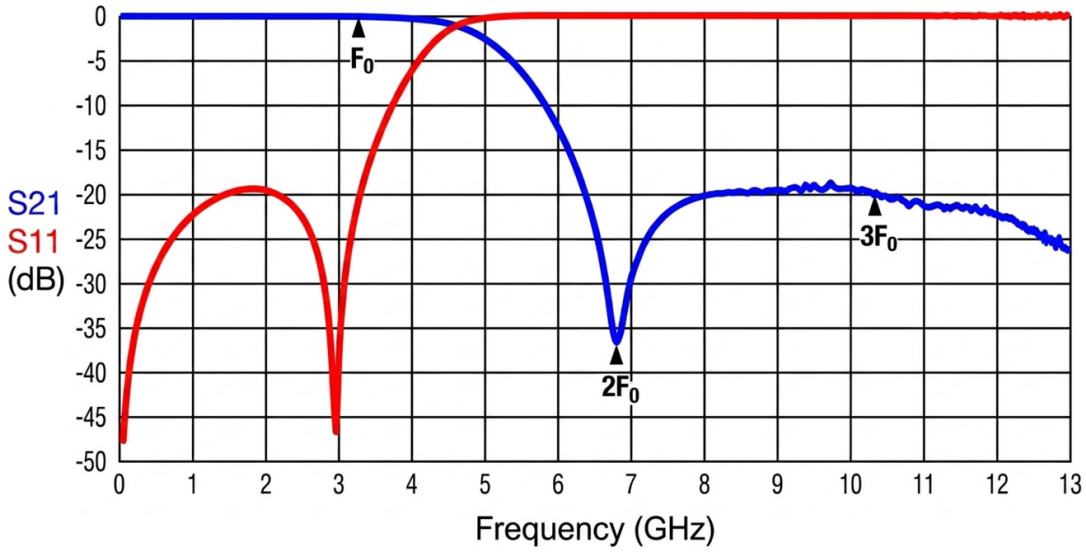
LP0603A3500ANTR

ELECTRICAL CHARACTERISTICS

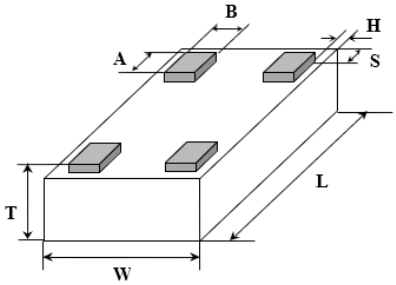
LP0603A3500ANTR	
Description	**Value**
Fc	3500 MHz
I. Loss	-0.6 dB Max.
R. Loss	-25 dB
Rejection @ 2xF0	-30 dB
Rejection @ 3xF0	-20 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



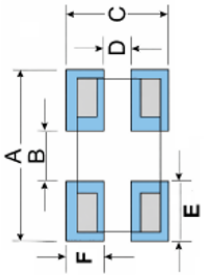
DIMENSIONS (BOTTOM VIEW)

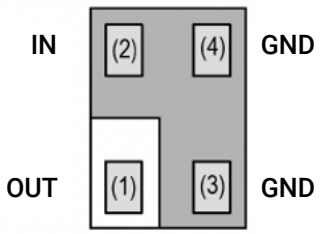


mm (inches)

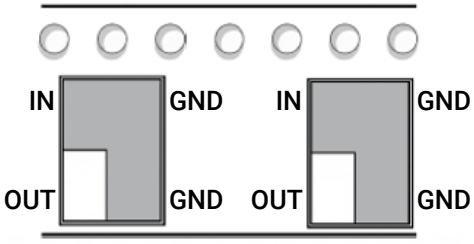
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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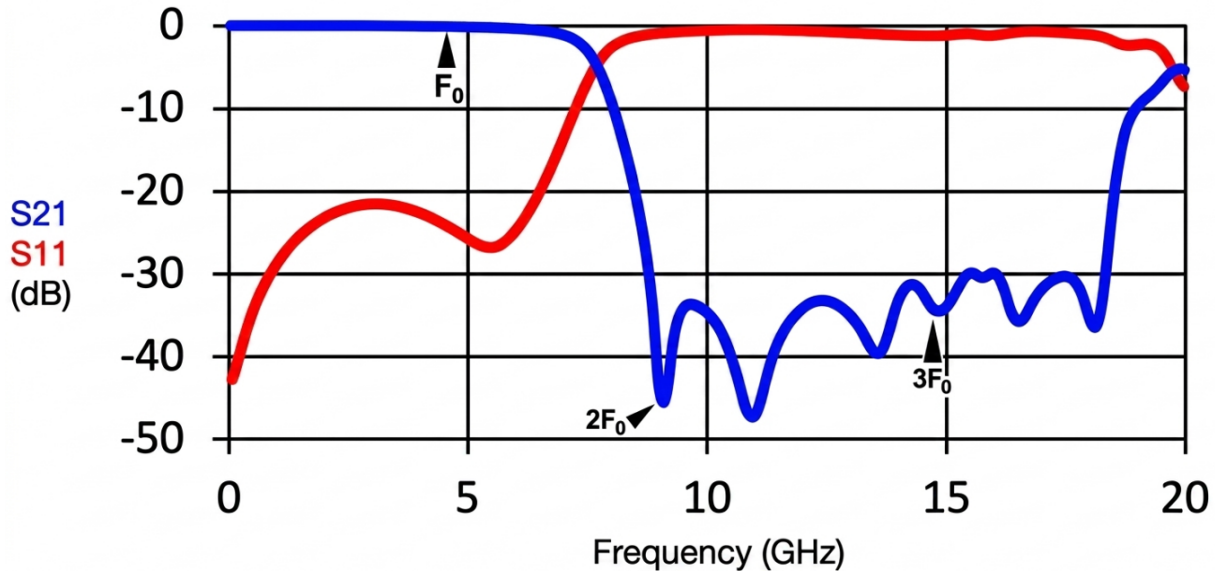
ELECTRICAL CHARACTERISTICS

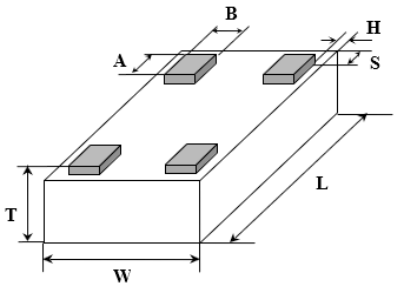
LP0603A4500ANTR	
Description	**Value**
Fc	4500 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xF0	-35 dB
Rejection @ 3xF0	-25 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



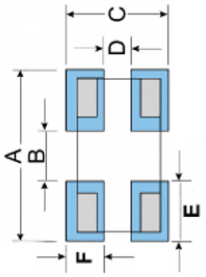
DIMENSIONS (BOTTOM VIEW)

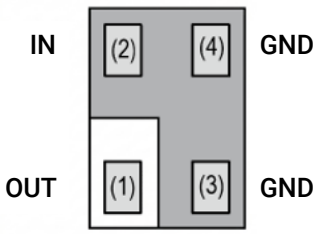


mm (inches)

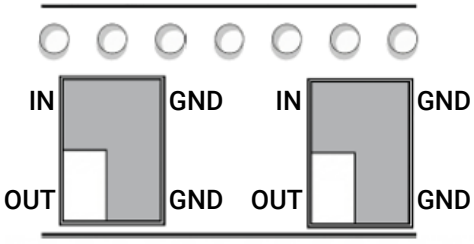
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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Thin-Film RF/Microwave Filters

LP0603 Harmonic Low Pass Filter Lead-Free LGA Termination

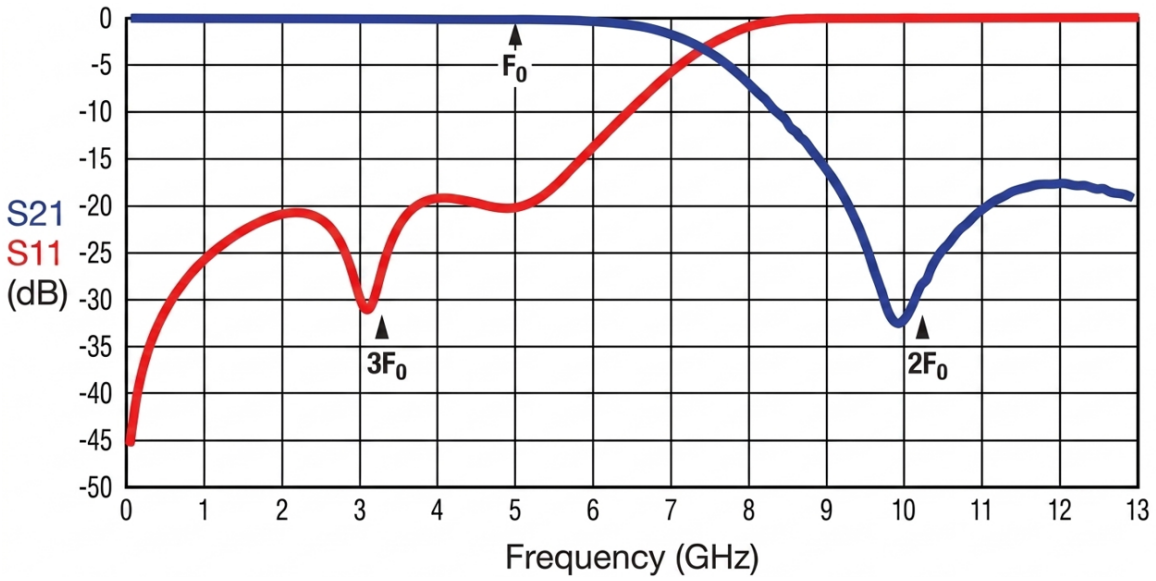
LP0603A5200ANTR

ELECTRICAL CHARACTERISTICS

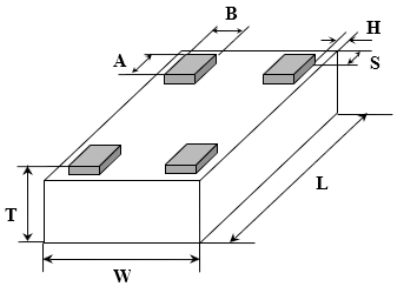
LP0603A5200ANTR	
Description	**Value**
Fc	5200 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB Typ.
Rejection @ 2xF0	-30 dB
Rejection @ 3xF0	-20 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



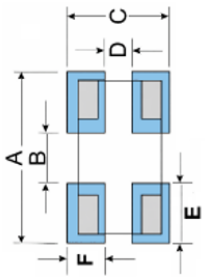
DIMENSIONS (BOTTOM VIEW)

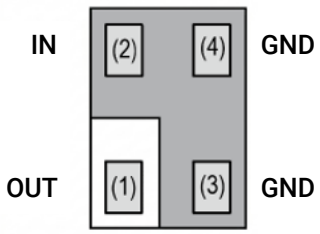


mm (inches)

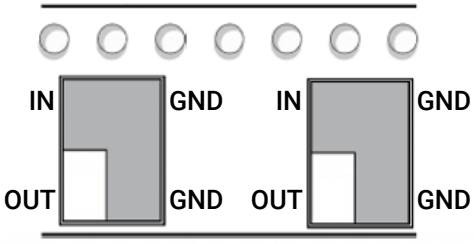
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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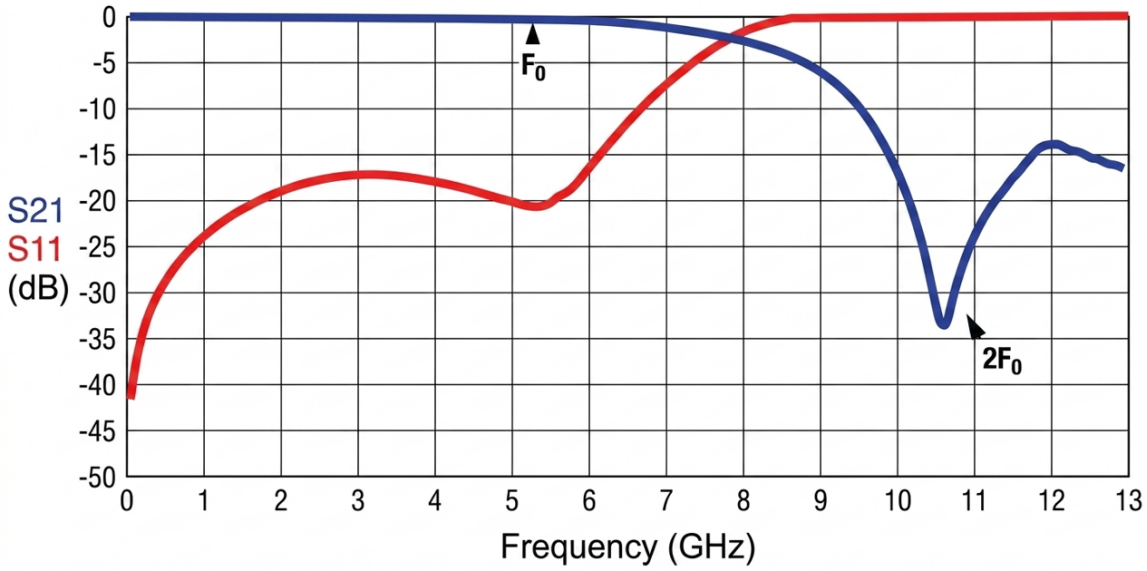
ELECTRICAL CHARACTERISTICS

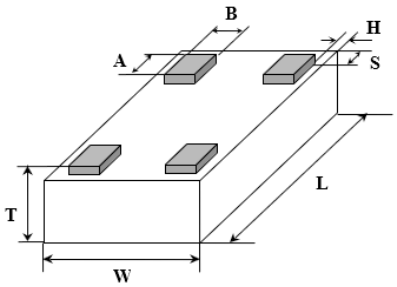
LP0603A5500ANTR	
Description	**Value**
Fc	5500 MHz
I. Loss	-0.5 dB Max.
R. Loss	-18 dB Typ.
Rejection @ 2xF0	-30 dB
Rejection @ 3xF0	-20 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



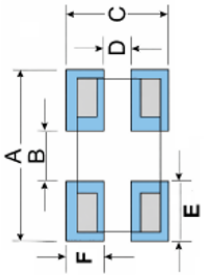
DIMENSIONS (BOTTOM VIEW)

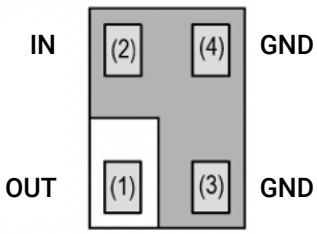


mm (inches)

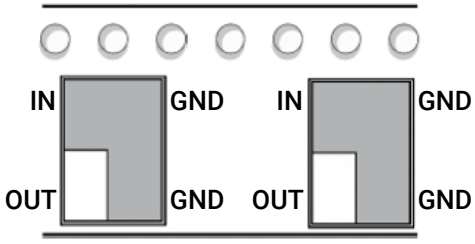
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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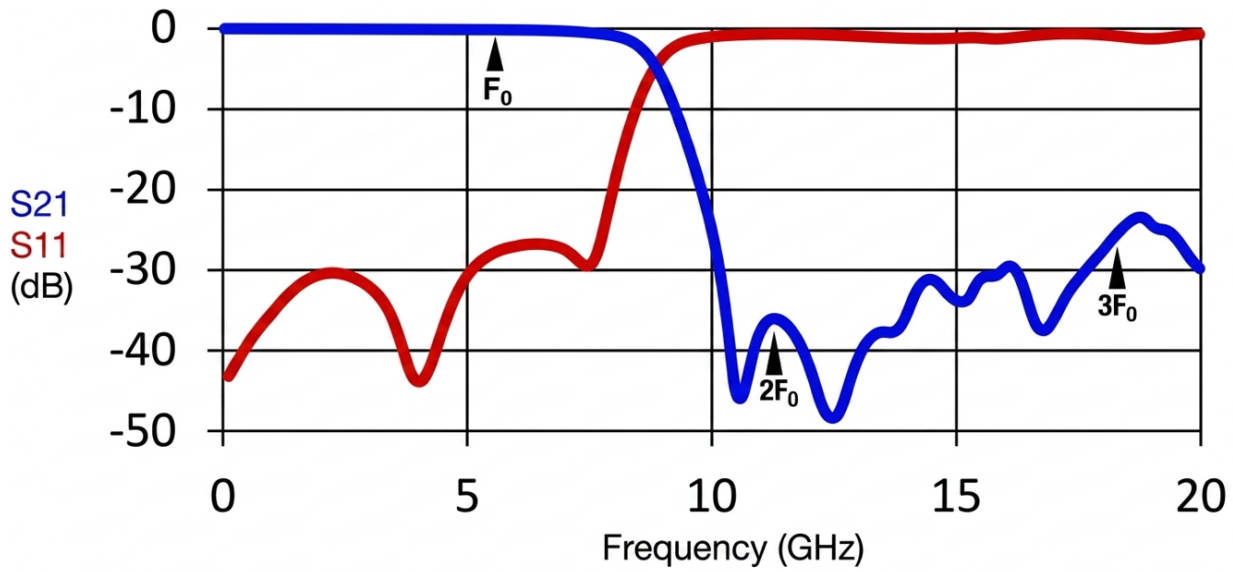
ELECTRICAL CHARACTERISTICS

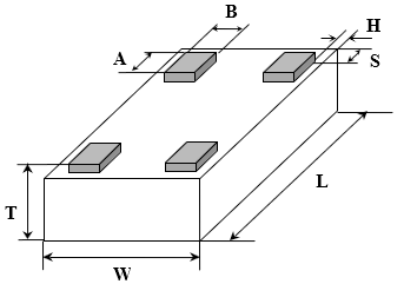
LP0603A6000ANTR	
Description	**Value**
Fc	6000 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB Typ.
Rejection @ 2xF0	-35 dB
Rejection @ 3xF0	-20 dB

Guaranteed over -40℃ to +85℃ Operating Temperature Range

TYPICAL ELECTRICAL PERFORMANCE



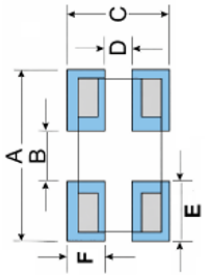
DIMENSIONS (BOTTOM VIEW)

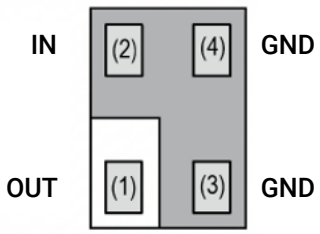


mm (inches)

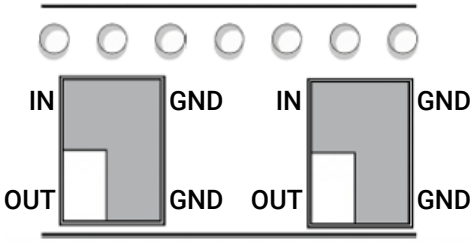
L	1.60±0.1 (0.063±0.004)
W	0.84±0.1 (0.033±0.004)
T	0.60±0.1 (0.024±0.004)
A	0.25±0.05 (0.01±0.002)
B	0.20±0.05 (0.008±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

mm (inches)

A	1.75±0.05 (0.069±0.002)	D	0.30±0.05 (0.011±0.002)
B	0.75±0.05 (0.029±0.002)	E	0.50±0.05 (0.020±0.002)
C	1.10±0.05 (0.043±0.002)	F	0.40±0.05 (0.016±0.002)

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