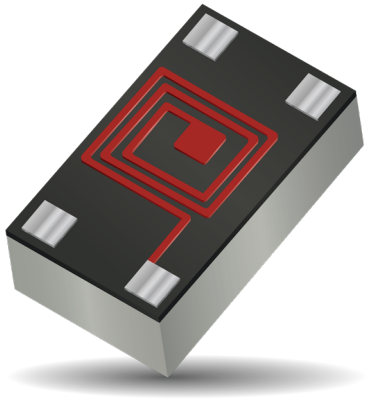
Thin-Film RF Filters

LP0402 Harmonic Low Pass Filter
Lead-Free LGA Termination

Thin-Film RF/Microwave Filters

LP0402 Harmonic Low Pass Filter Lead-Free LGA Termination

General Information



ITF TECHNOLOGY

The LP0402N Series Harmonic Low Pass Filter is based on the proprietary RFAP Thin-Film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

The ITF Harmonic Low Pass Filter is 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	0402	N	XXXX	A	N	TR
Series	Case 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

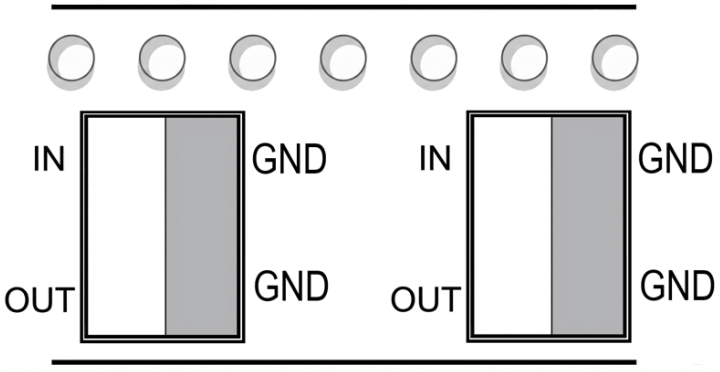
Finished parts are 100% tested for electrical parameters and visual/ mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

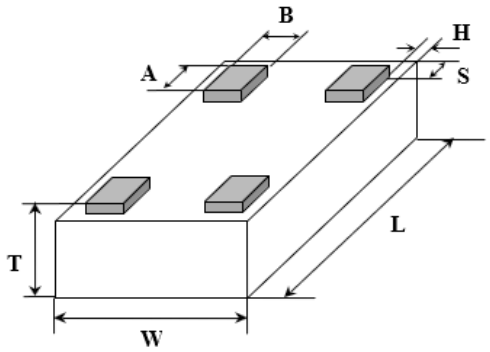
TERMINATION

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

REELS



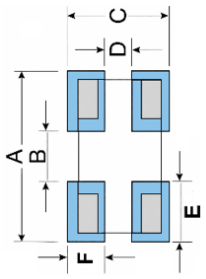
DIMENSIONS (TOP VIEW)

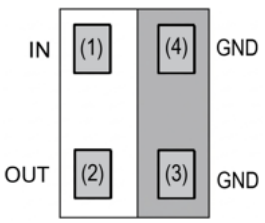


mm (inches)

L	1.00±0.05 (0.040±0.002)	A	0.20±0.05 (0.008±0.002)
W	0.58±0.4 (0.023±0.002)	B	0.18±0.05 (0.002±0.002)
T	0.35±0.5 (0.014±0.002)	H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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ELECTRICAL SPECIFICATION

Part Number	Fc [MHz]	I. Loss [dB]	R. Loss [dB]	Rejection [dB]	Rejection [dB]
LP0402N0960ANTR	960	-0.4	-22	-30 @ 2Fc	-16 @ 3Fc
LP0402N1800ANTR	1800	-0.5	-20	-25 @ 2Fc	-12 @ 3Fc
LP0402N1842ANTR	1842	-0.5	-25	-25 @ 2Fc	-17 @ 3Fc
LP0402N1880ANTR	1880	-0.5	-23	-25 @ 2Fc	-17 @ 3Fc
LP0402N1950ANTR	1950	-0.5	-20	-30 @ 2Fc	-17 @ 3Fc
LP0402N1960ANTR	1960	-0.5	-24	-20 @ 2Fc	-15 @ 3Fc
LP0402N2010ANTR	2010	-0.5	-20	-35 @ 2Fc	-17 @ 3Fc
LP0402N2017ANTR	2017	-0.5	-20	-35 @ 2Fc	-17 @ 3Fc
LP0402N2442ANTR	2442	-0.5	-20	-30 @ 2Fc	-17 @ 3Fc
LP0402N2450ANTR	2450	-0.5	-20	-30 @ 2Fc	-17 @ 3Fc
LP0402N2500ANTR	2500	-0.35	-20	-30 @ 2Fc	-17 @ 3Fc
LP0402N2600ANTR	2600	-0.5	-20	-25 @ 2Fc	-20 @ 3Fc
LP0402N2690ANTR	2690	-0.5	-20	-30 @ 2Fc	-20 @ 3Fc
LP0402N3500ANTR	3500	-0.5	-19	-30 @ 2Fc	-20 @ 3Fc
LP0402N5200ANTR	5200	-0.5	-18	-32 @ 2Fc	-25 @ 3Fc
LP0402N5500ANTR	5500	-0.2	-15	-32 @ 2Fc	---
LP0402N5800ANTR	5800	-0.5	-16	-25 @ 2Fc	---

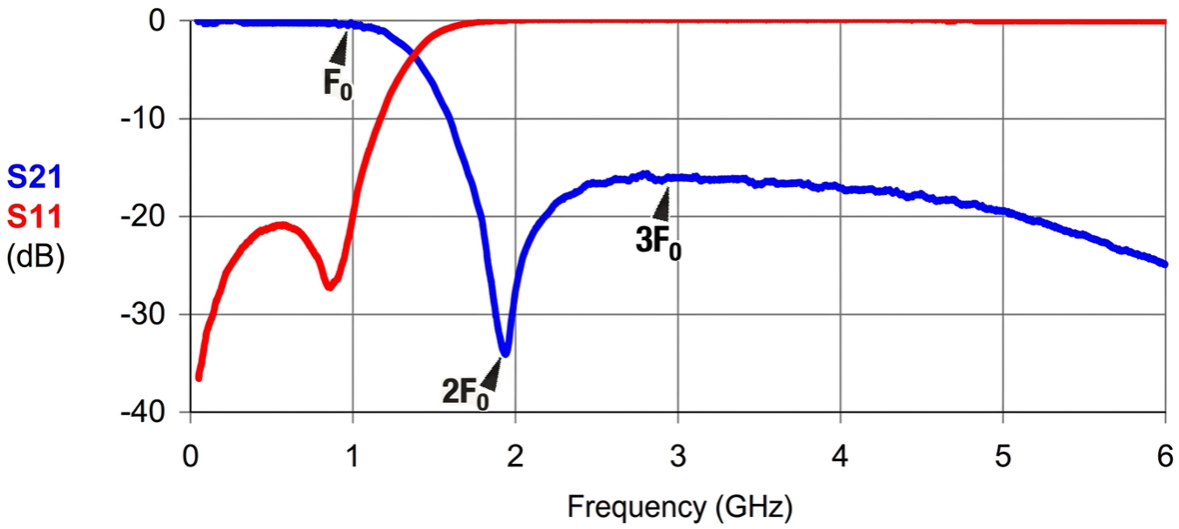
Click part number to see full specifications

ELECTRICAL CHARACTERISTICS

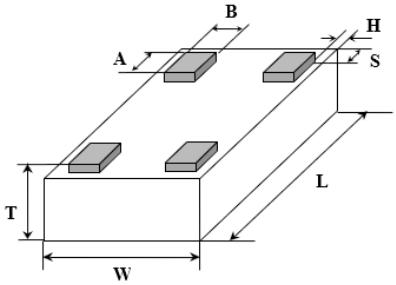
LP0402N0960ASTR	
Description	**Value**
Fc	960 MHz
I. Loss	-0.4 dB Max.
R. Loss	-22 dB
Rejection @ 2xFc	-30 dB
Rejection @ 3xFc	-16 dB

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

TYPICAL ELECTRICAL PERFORMANCE



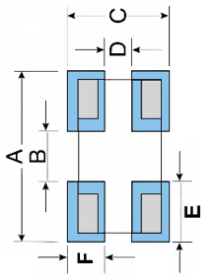
DIMENSIONS (TOP VIEW)

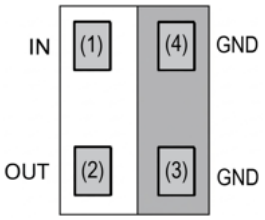


mm (inches)

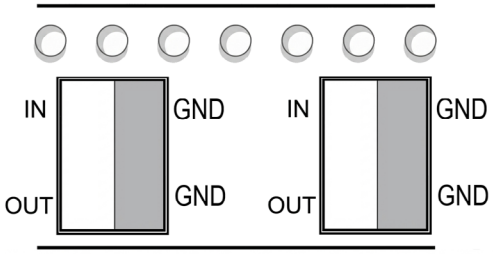
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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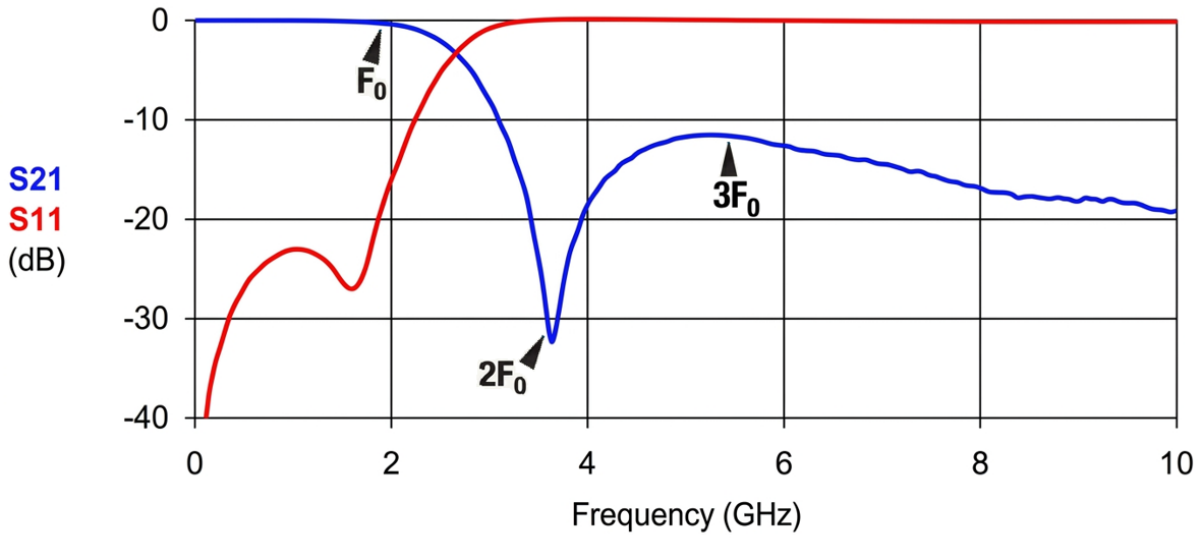
ELECTRICAL CHARACTERISTICS

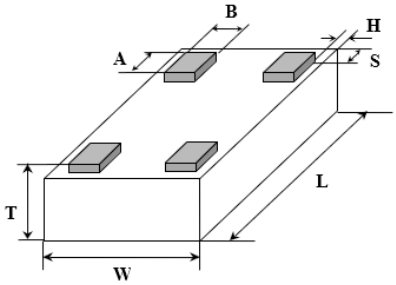
LP0402N1800ASTR	
Description	**Value**
Fc	1800 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xFc	-25 dB
Rejection @ 3xFc	-12 dB

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

TYPICAL ELECTRICAL PERFORMANCE



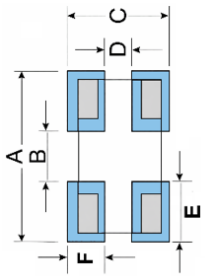
DIMENSIONS (TOP VIEW)

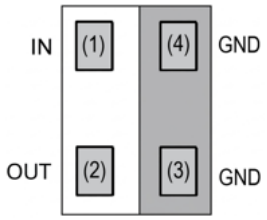


mm (inches)

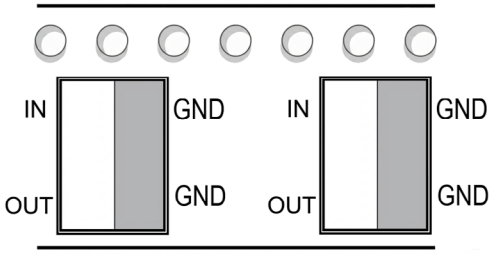
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

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mm (inches)

A	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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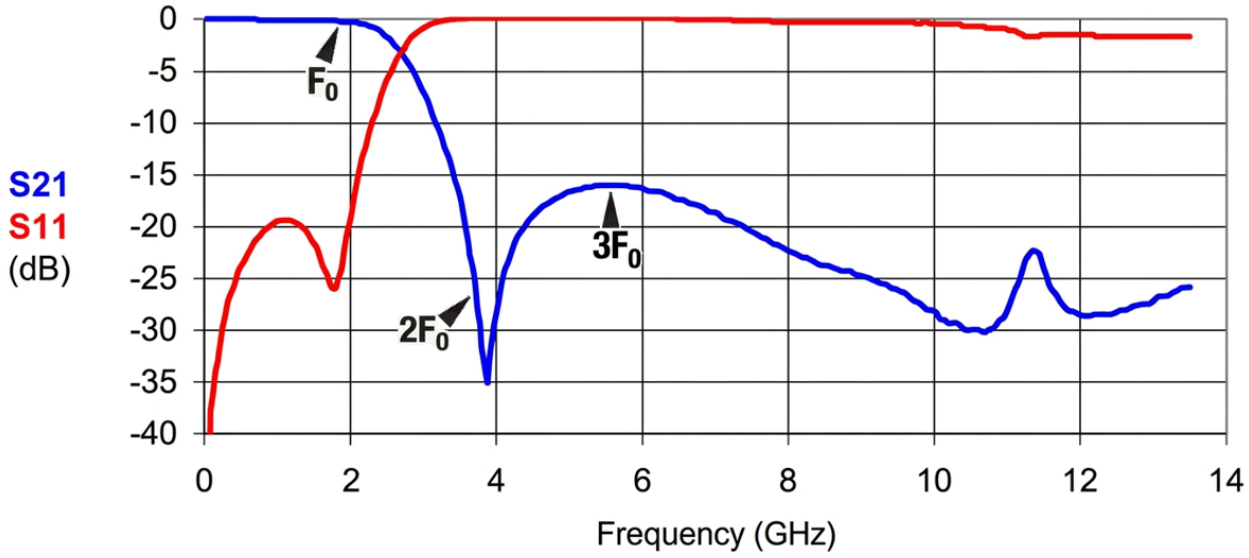
ELECTRICAL CHARACTERISTICS

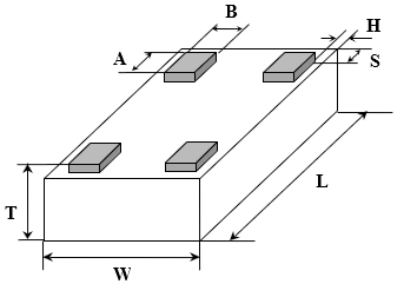
LP0402N1842ASTR	
Description	**Value**
Fc	1842 MHz
I. Loss	-0.5 dB Max.
R. Loss	-25 dB
Rejection @ 2xFc	-25 dB
Rejection @ 3xFc	-17 dB

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

TYPICAL ELECTRICAL PERFORMANCE



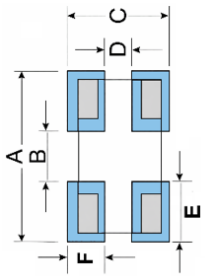
DIMENSIONS (TOP VIEW)

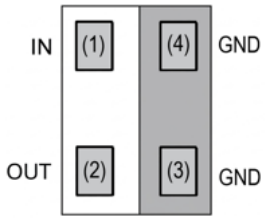


mm (inches)

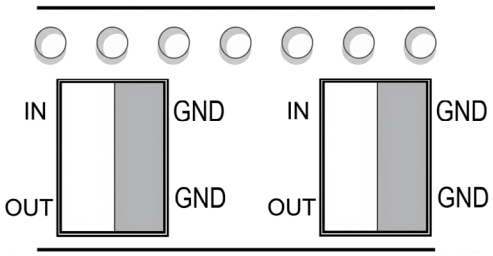
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

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mm (inches)

A	1.15±0.05 (0.045±0.002)	**D**	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	**E**	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	**F**	0.20±0.05 (0.008±0.002)

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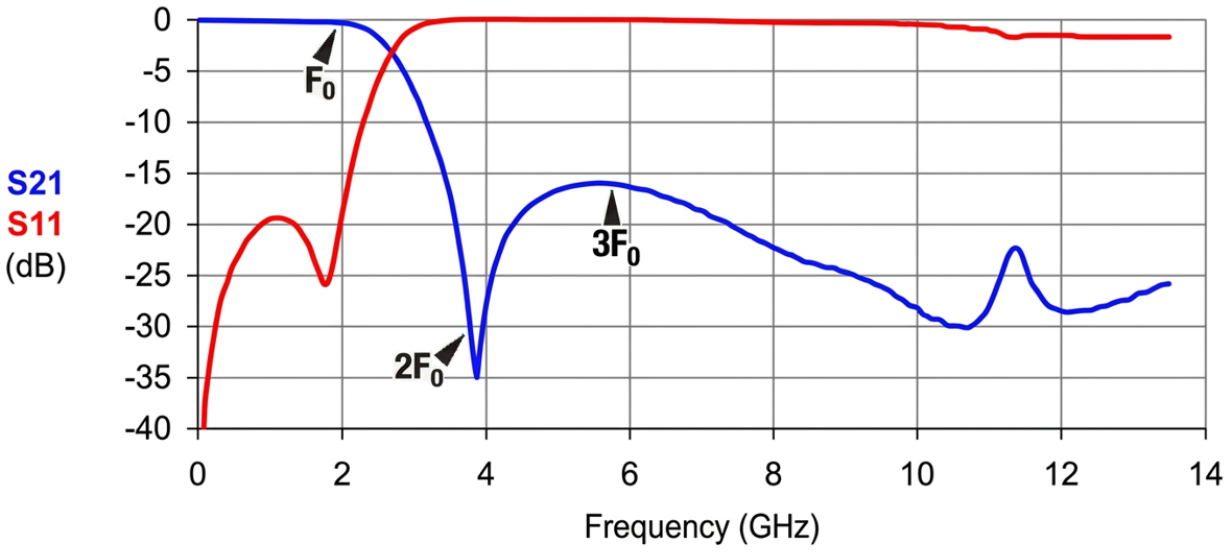
ELECTRICAL CHARACTERISTICS

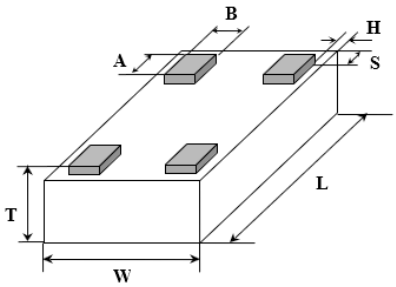
LP0402N1880ASTR	
Description	**Value**
Fc	1880 MHz
I. Loss	-0.5 dB Max.
R. Loss	-23 dB
Rejection @ 2xFc	-25 dB
Rejection @ 3xFc	-17 dB

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

TYPICAL ELECTRICAL PERFORMANCE



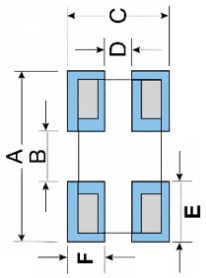
DIMENSIONS (TOP VIEW)

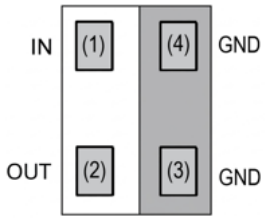


mm (inches)

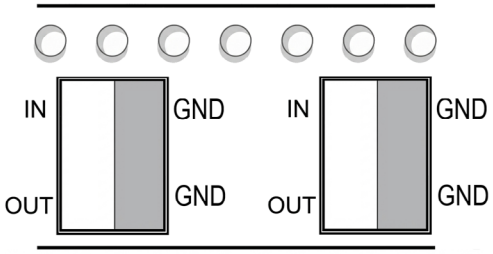
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



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mm (inches)

A	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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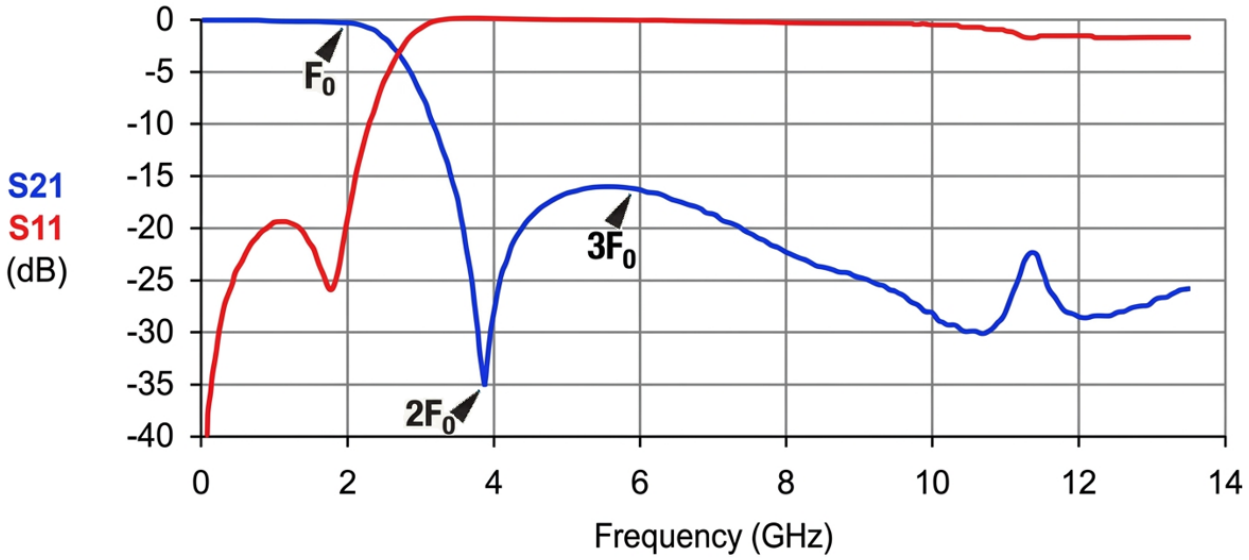
ELECTRICAL CHARACTERISTICS

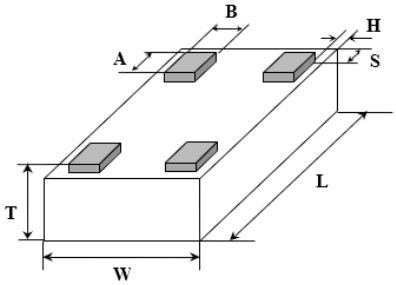
LP0402N1950ASTR	
Description	**Value**
Fc	1950 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xFc	-30 dB
Rejection @ 3xFc	-17 dB

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

TYPICAL ELECTRICAL PERFORMANCE



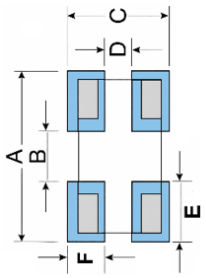
DIMENSIONS (TOP VIEW)

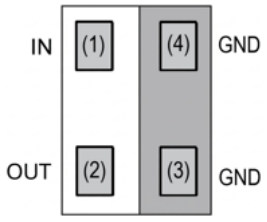


mm (inches)

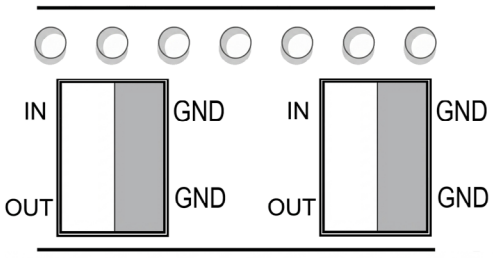
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

RECOMMENDED PAD LAYOUT & TERMINALS (TOP VIEW)





TERMINALS (TOP VIEW), IN REEL



*** PCB Taconic RF-35P**

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mm (inches)

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B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
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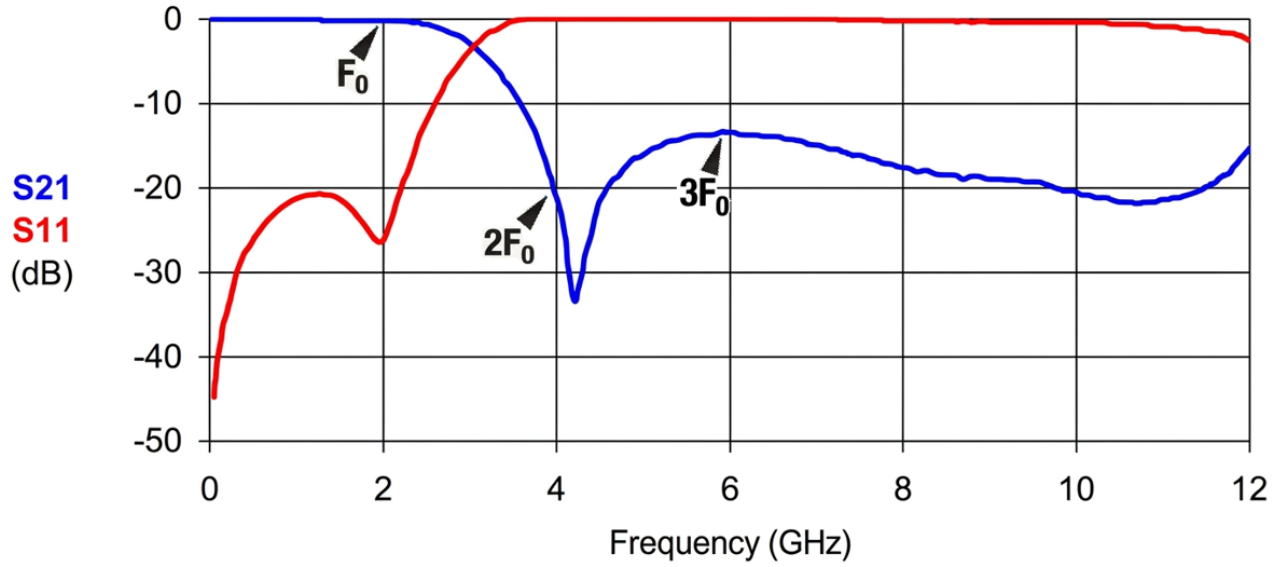
ELECTRICAL CHARACTERISTICS

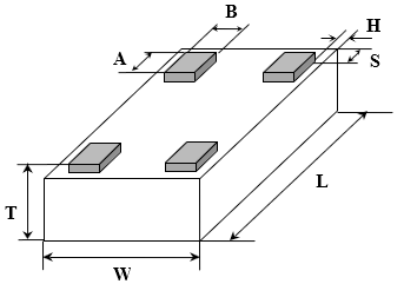
LP0402N1960ASTR	
Description	**Value**
Fc	1960 MHz
I. Loss	-0.5 dB Max.
R. Loss	-24 dB
Rejection @ 2xFc	-20 dB
Rejection @ 3xFc	-15 dB

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

TYPICAL ELECTRICAL PERFORMANCE



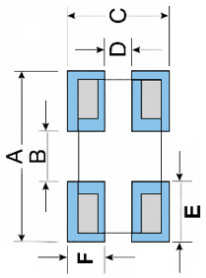
DIMENSIONS (TOP VIEW)

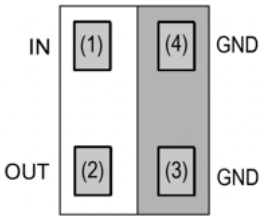


mm (inches)

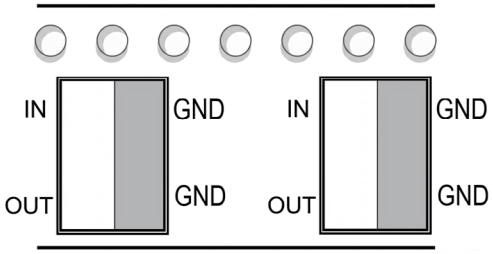
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	**D**	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	**E**	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	**F**	0.20±0.05 (0.008±0.002)

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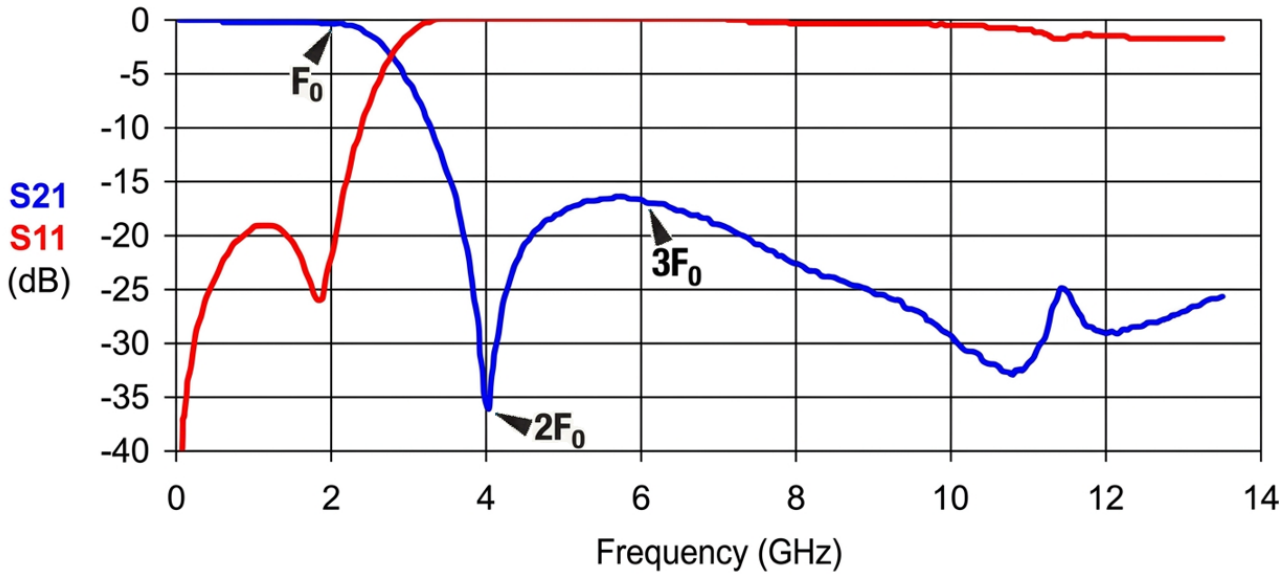
ELECTRICAL CHARACTERISTICS

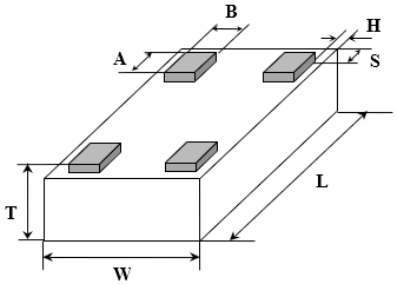
LP0402N2010ASTR	
Description	**Value**
Fc	2010 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xFc	-35 dB
Rejection @ 3xFc	-17 dB

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

TYPICAL ELECTRICAL PERFORMANCE



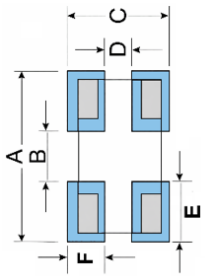
DIMENSIONS (TOP VIEW)

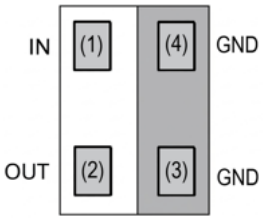


mm (inches)

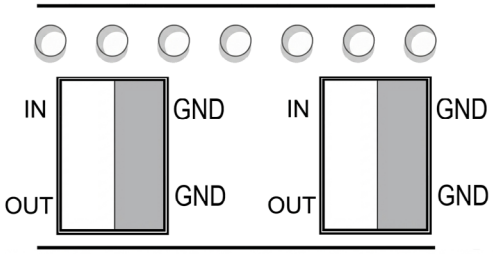
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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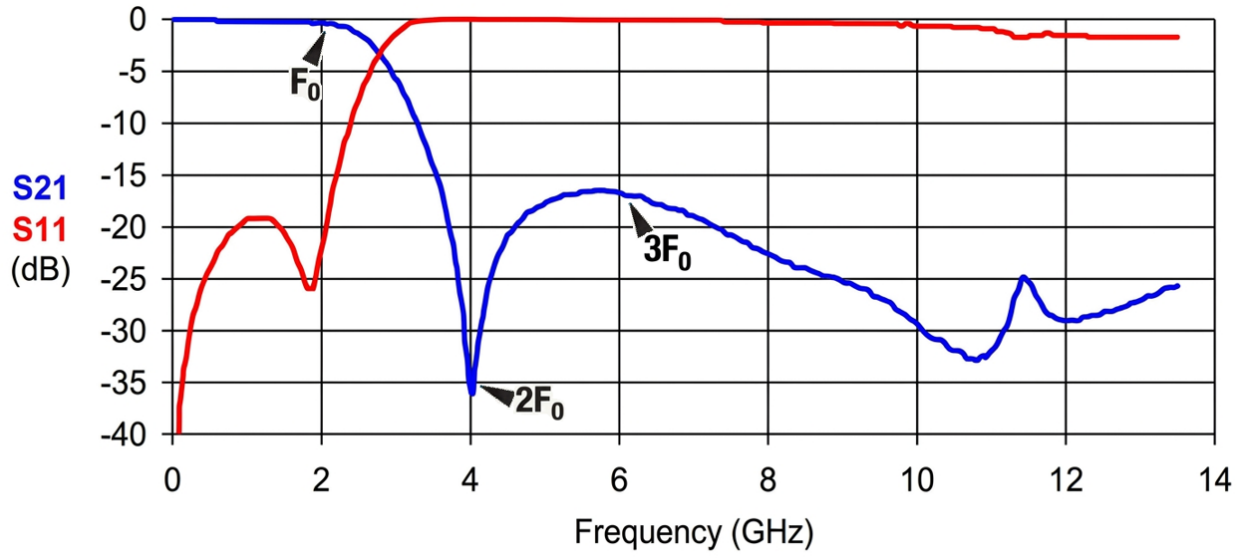
ELECTRICAL CHARACTERISTICS

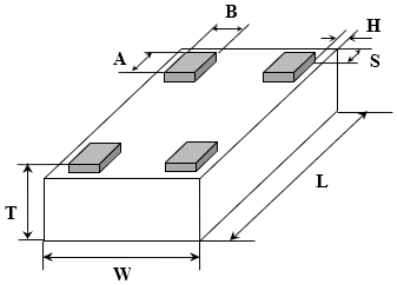
LP0402N2017ASTR	
Description	**Value**
Fc	2017 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xFc	-35 dB
Rejection @ 3xFc	-17 dB

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

TYPICAL ELECTRICAL PERFORMANCE



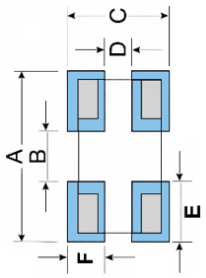
DIMENSIONS (TOP VIEW)

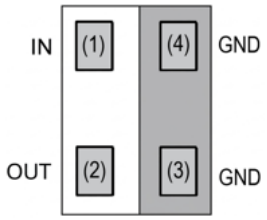


mm (inches)

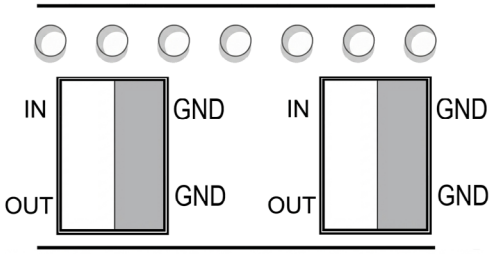
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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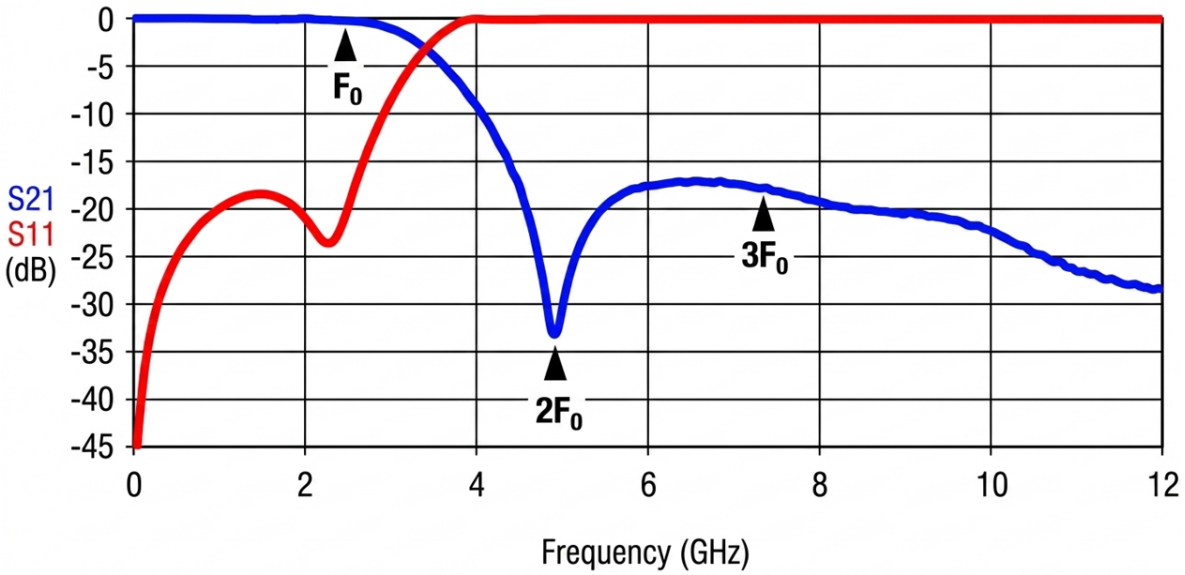
ELECTRICAL CHARACTERISTICS

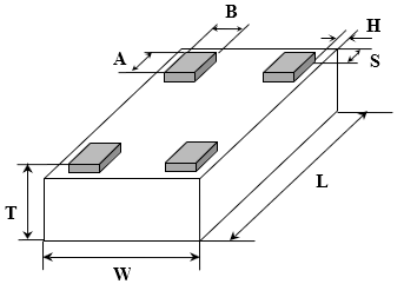
LP0402N2442ASTR	
Description	**Value**
Fc	2442 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xFc	-30 dB
Rejection @ 3xFc	-17 dB

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

TYPICAL ELECTRICAL PERFORMANCE



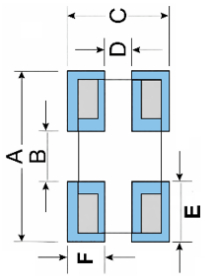
DIMENSIONS (TOP VIEW)

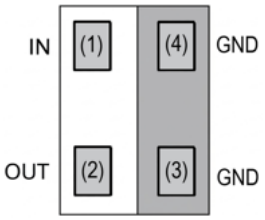


mm (inches)

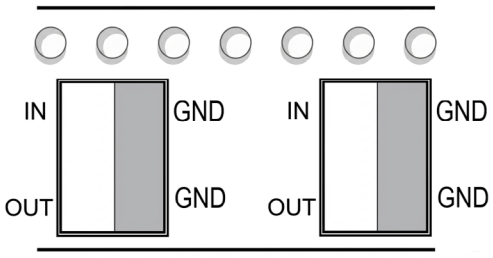
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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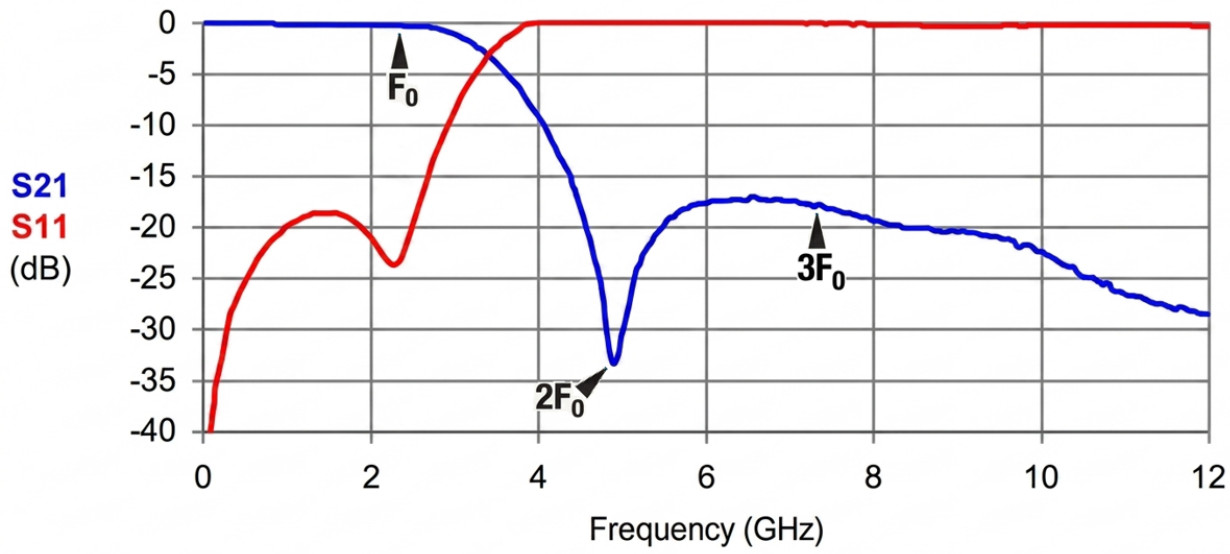
ELECTRICAL CHARACTERISTICS

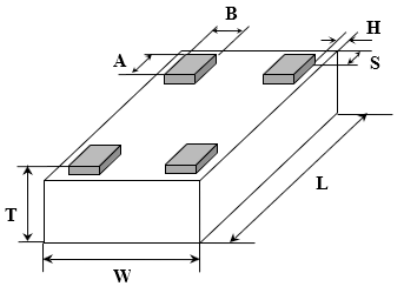
LP0402N2450ASTR	
Description	**Value**
Fc	2450 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xFc	-30 dB
Rejection @ 3xFc	-17 dB

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

TYPICAL ELECTRICAL PERFORMANCE



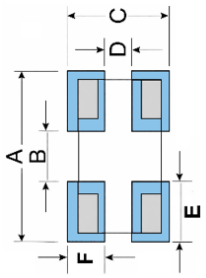
DIMENSIONS (TOP VIEW)

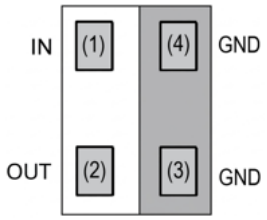


mm (inches)

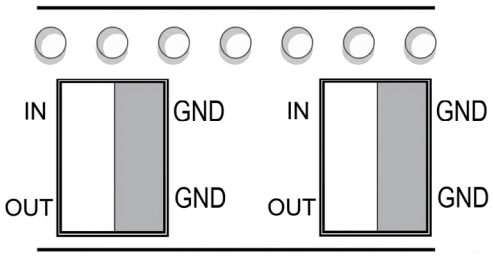
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	**D**	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	**E**	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	**F**	0.20±0.05 (0.008±0.002)

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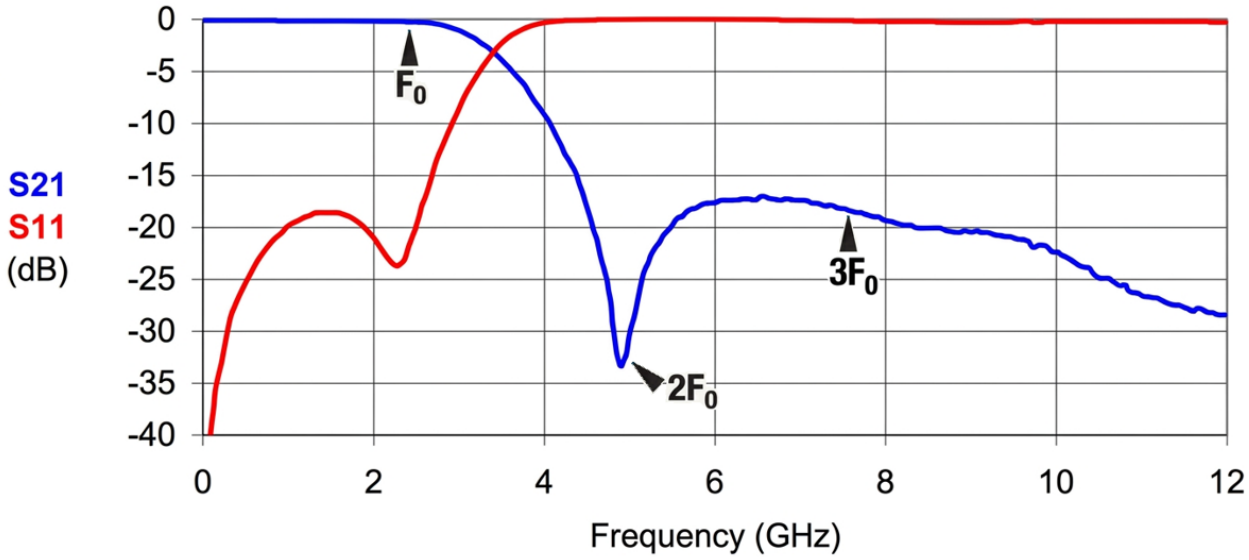
ELECTRICAL CHARACTERISTICS

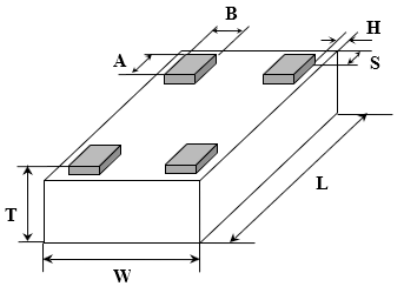
LP0402N2500ASTR	
Description	**Value**
Fc	2500 MHz
I. Loss	-0.35 dB Typ.
R. Loss	-20 dB
Rejection @ 2xFc	-30 dB
Rejection @ 3xFc	-17 dB

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

TYPICAL ELECTRICAL PERFORMANCE



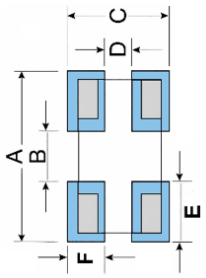
DIMENSIONS (TOP VIEW)

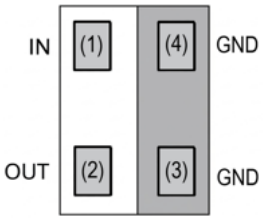


mm (inches)

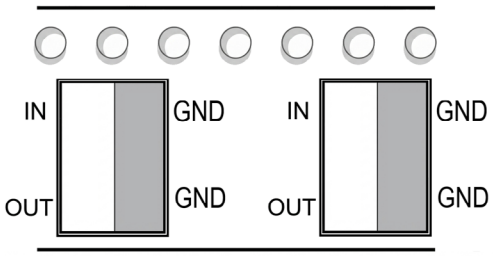
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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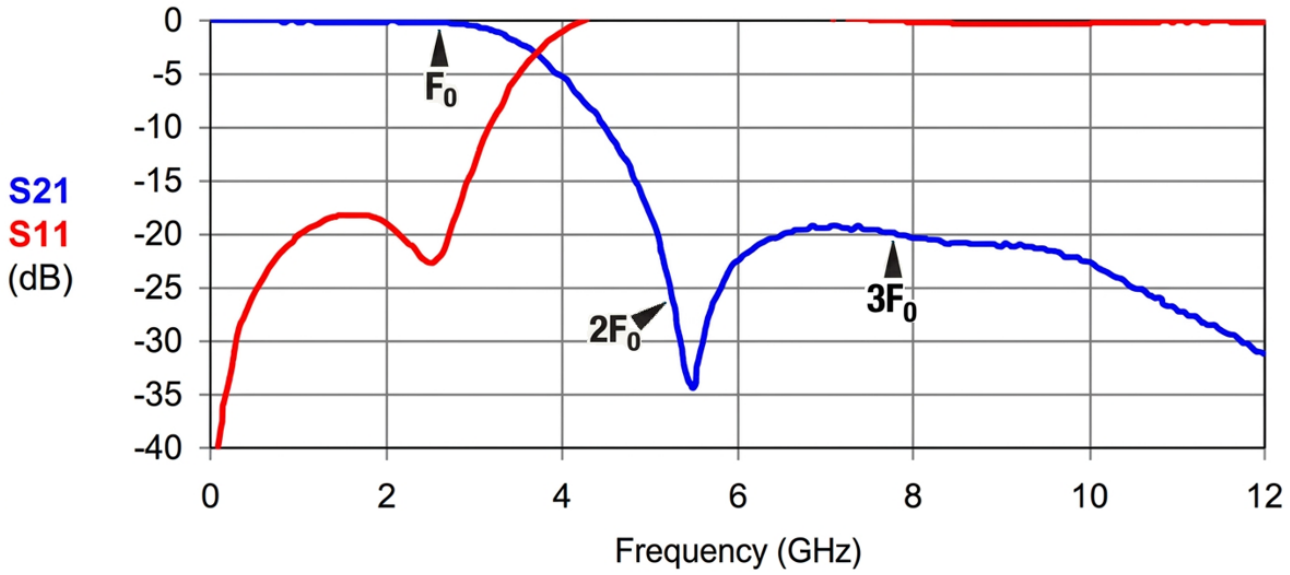
ELECTRICAL CHARACTERISTICS

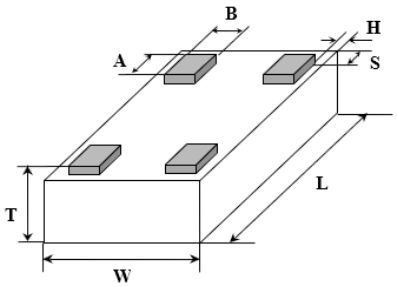
LP0402N2600ASTR	
Description	**Value**
Fc	2600 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xFc	-25 dB
Rejection @ 3xFc	-20 dB

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

TYPICAL ELECTRICAL PERFORMANCE



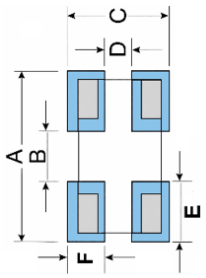
DIMENSIONS (TOP VIEW)

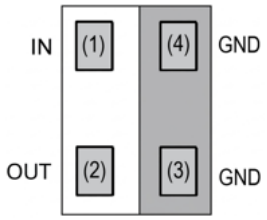


mm (inches)

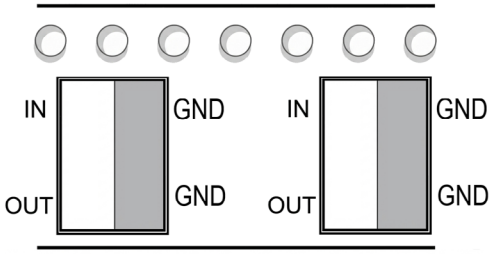
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	**D**	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	**E**	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	**F**	0.20±0.05 (0.008±0.002)

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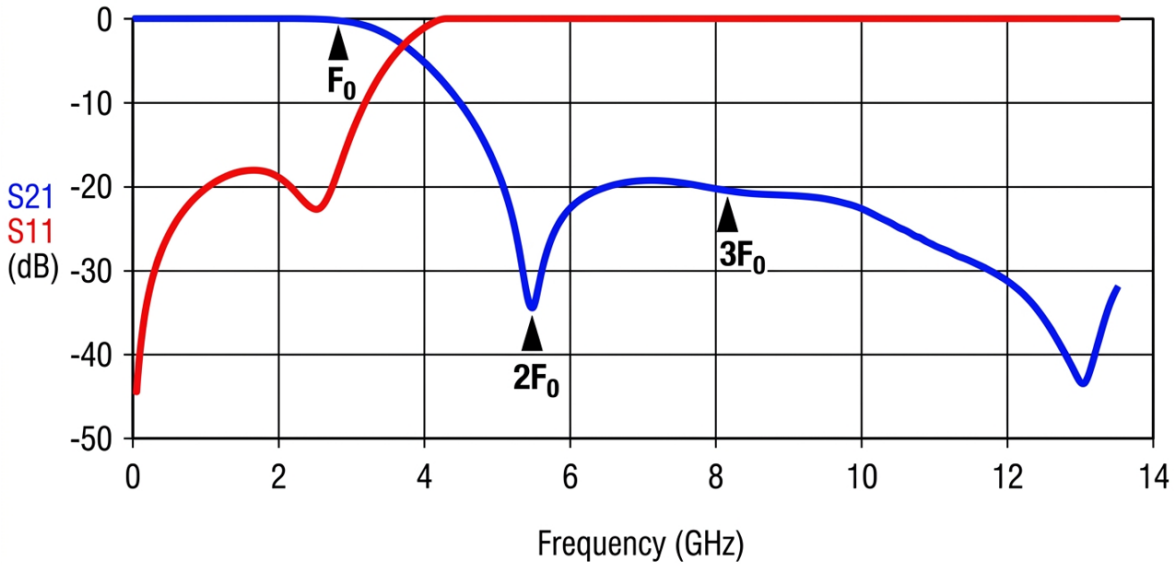
ELECTRICAL CHARACTERISTICS

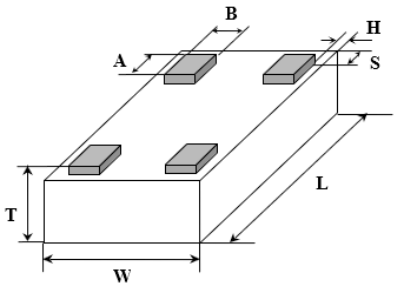
LP0402N2690ASTR	
Description	**Value**
Fc	2690 MHz
I. Loss	-0.5 dB Max.
R. Loss	-20 dB
Rejection @ 2xFc	-30 dB
Rejection @ 3xFc	-20 dB

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

TYPICAL ELECTRICAL PERFORMANCE



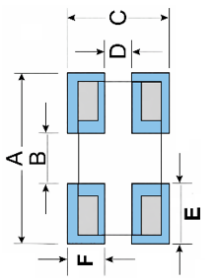
DIMENSIONS (TOP VIEW)

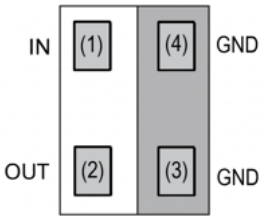


mm (inches)

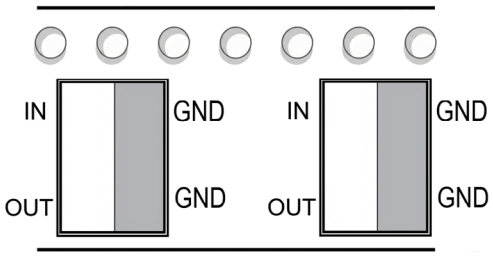
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)
B	0.53±0.05 (0.021±0.002)
C	0.55±0.05 (0.022±0.002)
D	0.15±0.05 (0.006±0.002)
E	0.31±0.05 (0.008±0.002)
F	0.20±0.05 (0.008±0.002)

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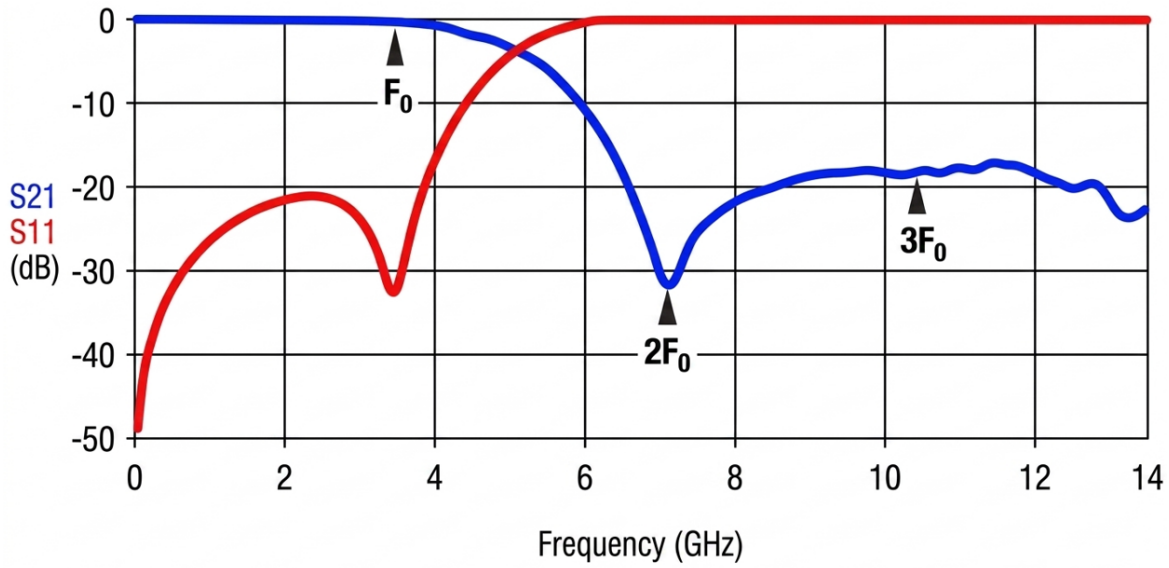
ELECTRICAL CHARACTERISTICS

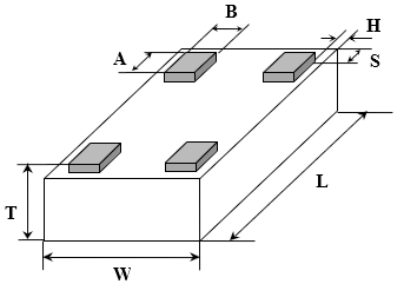
LP0402N3500ASTR	
Description	**Value**
Fc	3500 MHz
I. Loss	-0.5 dB Max.
R. Loss	-19 dB
Rejection @ 2xFc	-30 dB
Rejection @ 3xFc	-20 dB

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

TYPICAL ELECTRICAL PERFORMANCE



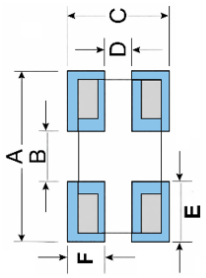
DIMENSIONS (TOP VIEW)

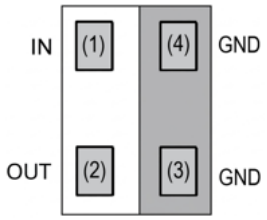


mm (inches)

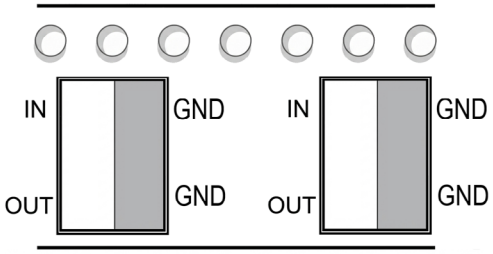
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	**D**	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	**E**	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	**F**	0.20±0.05 (0.008±0.002)

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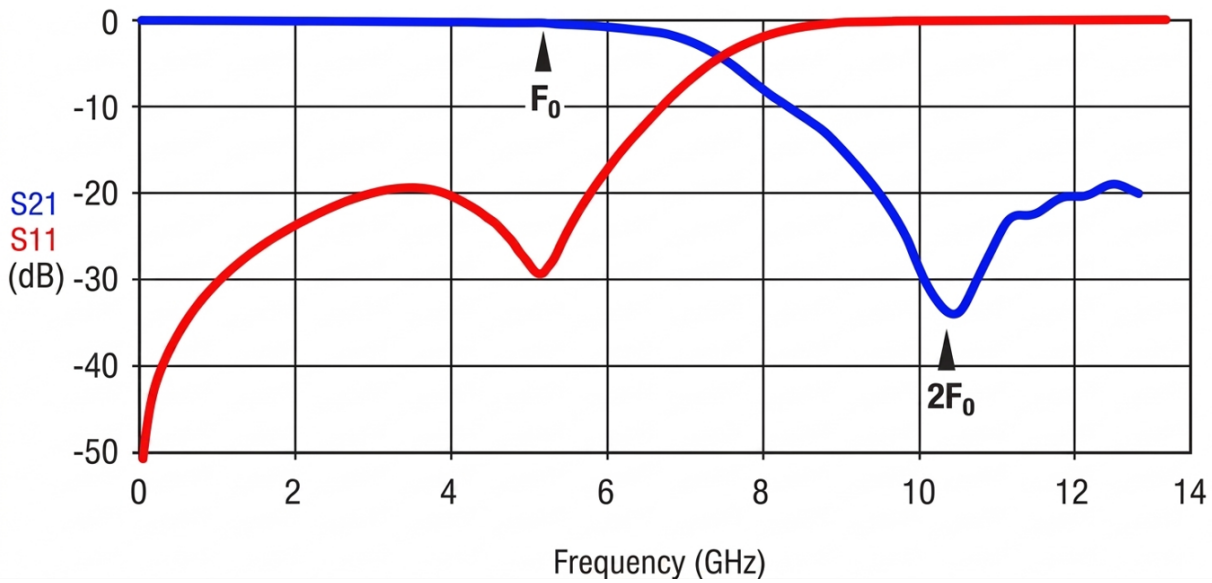
ELECTRICAL CHARACTERISTICS

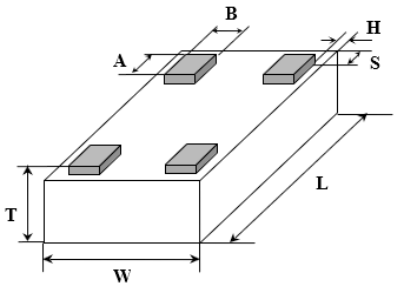
LP0402N5200ASTR	
Description	**Value**
Fc	5200 MHz
I. Loss	-0.5 dB Max.
R. Loss	-18 dB
Rejection @ 2xFc	-32 dB
Rejection @ 3xFc	-25 dB

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

TYPICAL ELECTRICAL PERFORMANCE



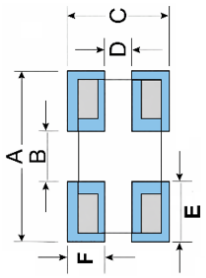
DIMENSIONS (TOP VIEW)

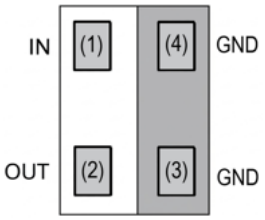


mm (inches)

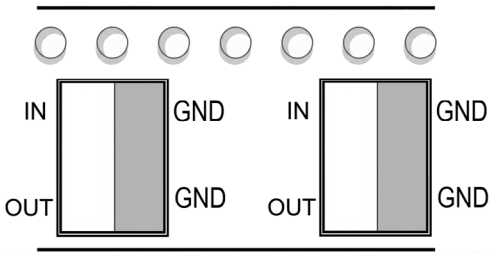
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	D	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	E	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	F	0.20±0.05 (0.008±0.002)

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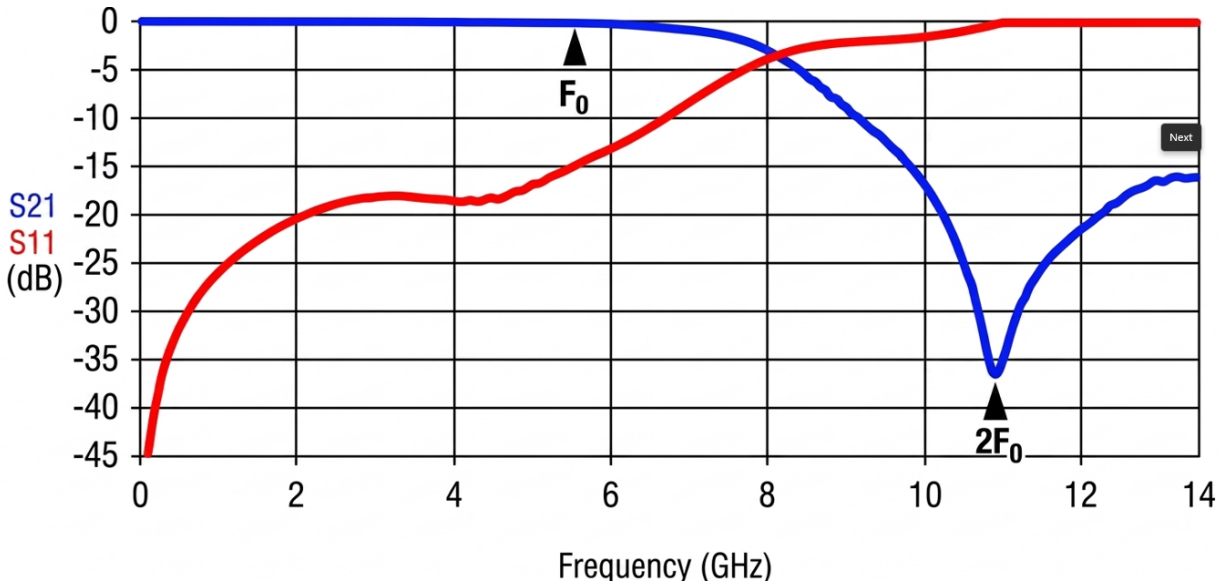
ELECTRICAL CHARACTERISTICS

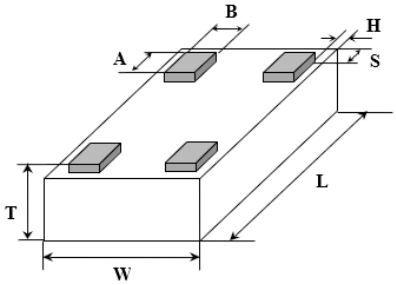
LP0402N5500ASTR	
Description	**Value**
Fc	5500 MHz
I. Loss	-0.2 dB Typ.
R. Loss	-15 dB
Rejection @ 2xFc	-32 dB

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

TYPICAL ELECTRICAL PERFORMANCE



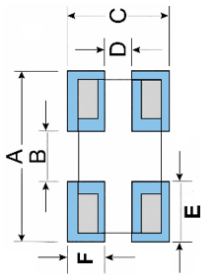
DIMENSIONS (TOP VIEW)

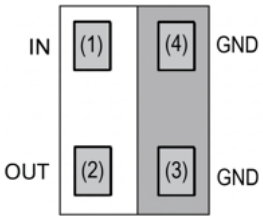


mm (inches)

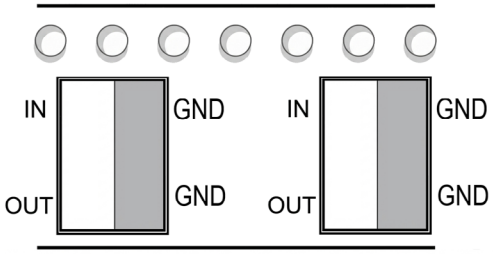
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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	1.15±0.05 (0.045±0.002)	**D**	0.15±0.05 (0.006±0.002)
B	0.53±0.05 (0.021±0.002)	**E**	0.31±0.05 (0.008±0.002)
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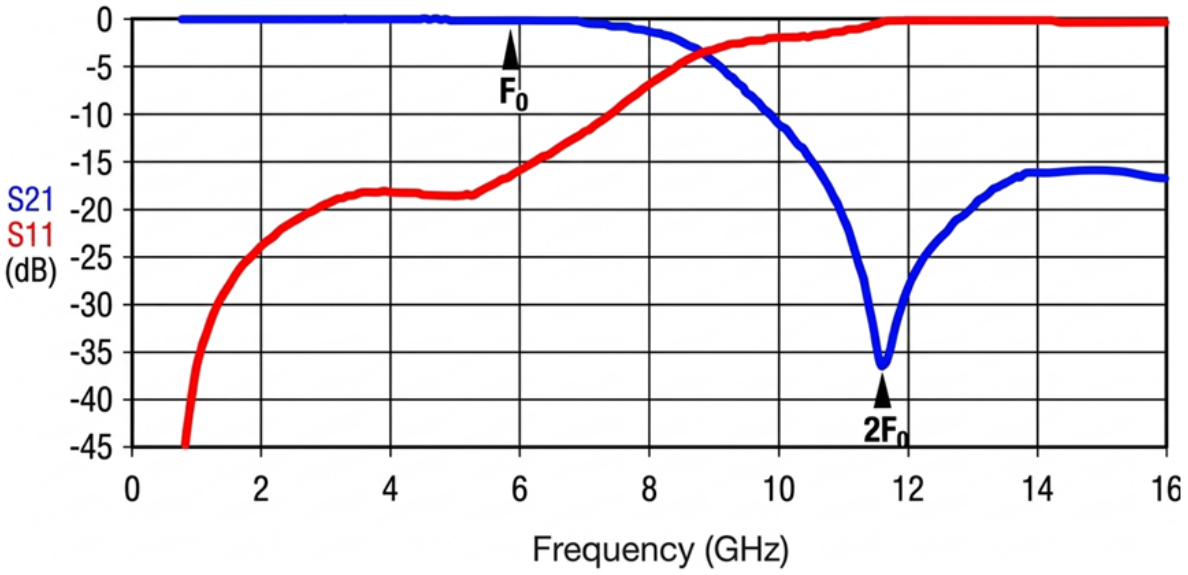
ELECTRICAL CHARACTERISTICS

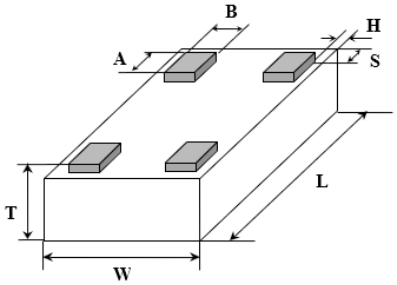
LP0402N5800ASTR	
Description	**Value**
Fc	5800 MHz
I. Loss	-0.5 dB Max.
R. Loss	-16 dB
Rejection @ 2xFc	-25 dB

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

TYPICAL ELECTRICAL PERFORMANCE



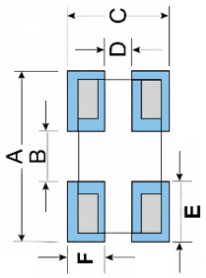
DIMENSIONS (TOP VIEW)

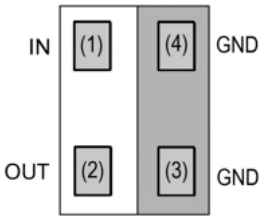


mm (inches)

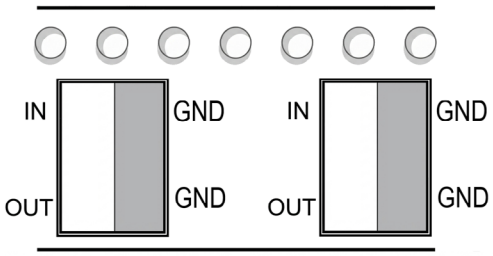
L	1.00±0.05 (0.040±0.002)
W	0.58±0.4 (0.023±0.002)
T	0.35±0.5 (0.014±0.002)
A	0.20±0.05 (0.008±0.002)
B	0.18±0.05 (0.002±0.002)
H, S	0.05±0.05 (0.002±0.002)

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)

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B	0.53±0.05 (0.021±0.002)	**E**	0.31±0.05 (0.008±0.002)
C	0.55±0.05 (0.022±0.002)	**F**	0.20±0.05 (0.008±0.002)

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