High Performance Low Pass Filters

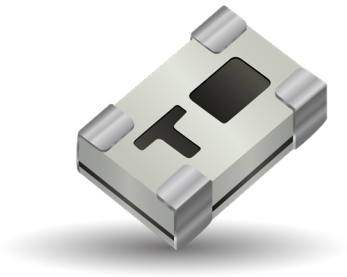
0805 High Performance Low Pass 8W

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Thin-Film RF/Microwave Filters

Low Pass 0805 High Performance SMD 8W

General Information



ITF TECHNOLOGY

The ITF SMD 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: 0805
- Frequency: 400 - 4400 MHz
- Sharp attenuation slope
- Characteristic impedance: 50Ohm
- Operating Storage Temperature: -40°C to +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

- Mobile communications
- Satellite TV receivers
- GPS
- Vehicle location systems
- Wireless LAN's

HOW TO ORDER

LP	0805	H	XXXX	A	S	TR
Series	Size	Type	Frequency (MHz)	Sub-Type	Termination W = LGA Sn90, Pb10 **S = LGA Sn100 **RoHS Compliant	Taped & Reel

**For RoHS compliant products, please select correct termination style.

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.

ELECTRICAL SPECIFICATION

Part Number	Fc [MHz]	I.L [dB] @Fc	R.L [dB] @Fc	Rejection [dB]	Rejection [dB]	Rejection [dB]
LP0805H0400ASTR	400	-0.6	-15	-30 @ 800 MHz	-20 @ 1200 MHz	---
LP0805H0420ASTR	420	-0.6	-15	-30 @ 840 MHz	-20 @ 1260 MHz	---
LP0805H0450ASTR	450	-0.6	-15	-28 @ 900 MHz	-20 @ 1350 MHz	---
LP0805H0470ASTR	470	-0.7	-15	-28 @ 940 MHz	-20 @ 1410 MHz	---
LP0805H0512ASTR	512	-0.75	-12	-35 @ 1024 MHz	-40 @ 1536 MHz	---
LP0805H0700ASTR	700	-0.4	-20	-35 @ 1400 MHz	-30 @ 2100 MHz	-30 @ 2800 MHz
LP0805H0750ASTR	750	-0.4	-11.7	-37 @ 1500 MHz	-33 @ 2250 MHz	---
LP0805H0780ASTR	780	-0.4	-20	-35 @ 1560 MHz	-40 @ 2340 MHz	-20 @ 3120 MHz
LP0805H0900ASTR	900	-0.5	-20	-30 @ 1800 MHz	-40 @ 2700 MHz	-45 @ 3600 MHz
LP0805H0942ASTR	942	-0.4	-20	-35 @ 1884 MHz	-40 @ 2826 MHz	-35 @ 3768 MHz
LP0805H1000ASTR	1000	-0.7	-20	-35 @ 2000 MHz	-40 @ 3000 MHz	-35 @ 4000 MHz
LP0805H1250ASTR	1250	-0.7	-25	-20 @ 1750 MHz	-35 @ 2500 MHz	-40 @ 3750 MHz
LP0805H1500ASTR	1500	-1	-25	-35 @ 2100 MHz	-40 @ 3000 MHz	-30 @ 4500 MHz
LP0805H1575ASTR	1575	-0.6	-15	-30 @ 3000-8000 MHz	---	---
LP0805H1700ASTR	1700	-0.7	-25	-35 @ 3400 MHz	-25 @ 5100 MHz	---
LP0805H1800ASTR	1800	-0.8	-25	-35 @ 2520 MHz	-35 @ 3600 MHz	-35 @ 5400 MHz
LP0805H1880ASTR	1880	-0.85	-15	-40 @ 3650-3690 MHz	-30 @ 3760-5640 MHz	-30 @ 7520 MHz
LP0805H1900ASTR	1900	-0.75	-20	-35 @ 2660 MHz	-35 @ 2800 MHz	-25 @ 5700 MHz
LP0805H2000ASTR	2000	-0.35	-17	-30 @ 4000-6000 MHz	---	---
LP0805H2300ASTR	2300	-0.95	-17	-20 @ 3400-4300 MHz	-25 @ 4300-5100 MHz	-27 @ 5100-6000 MHz
LP0805H2400ASTR	2400	-0.9	-30	-30 @ 3360 MHz	-25 @ 4800 MHz	-30 @ 7200 MHz
LP0805H2450ASTR	2450	-0.75	-15	-40 @ 4900 MHz	-20 @ 7350 MHz	---
LP0805H2500ASTR	2500	-0.8	-15	-28 @ 4000-6000 MHz	-20 @ 6001-8000 MHz	---
LP0805H2600ASTR	2600	-0.9	-15	-28 @ 4000-6000 MHz	-20 @ 6001-8000 MHz	---
LP0805H2700ASTR	2700	-1.2	-12	-15 @ 3200 MHz	-28 @ 4600-5600 MHz	-20 @ 5600-8000 MHz
LP0805H2900ASTR	2900	-1	-20	-30 @ 4060 MHz	-30 @ 5800 MHz	-35 @ 6500 MHz
LP0805H2902ASTR	2902	-2.3	-15	-30 @ 3200-4200 MHz	---	---
LP0805H3500ASTR	3500	-0.85	-20	-35 @ 4900 MHz	-30 @ 7000 MHz	-30 @ 10500 MHz
LP0805H4000ASTR	4000	-0.8	-20	-40 @ 5600 MHz	-35 @ 8000 MHz	-35 @ 10000 MHz
LP0805H4200ASTR	4200	-0.85	-12	-25 @ 8400 MHz	-25 @ 12600 MHz	---
LP0805H4400ASTR	4400	-1	-12	-25 @ 6000-12000 MHz	---	---

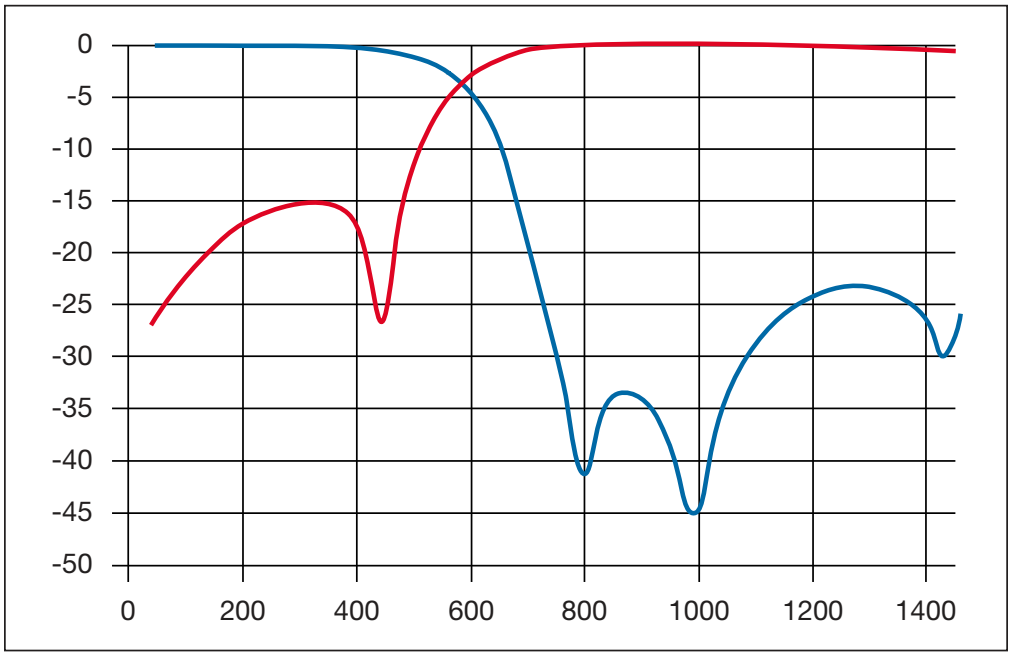
Click part number to see full specifications

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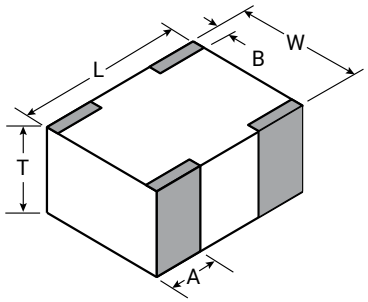
ELECTRICAL CHARACTERISTICS

LP0805H0400ASTR		
Description	**Value**	**Notes**
Fc	400 MHz	
I. Loss @ 400 MHz	-0.6 dB	Max.
R. Loss @ 400 MHz	-15 dB	
Attenuation	-30 dB -20 dB	@ 800 MHz @ 1200 MHz

TYPICAL ELECTRICAL PERFORMANCE

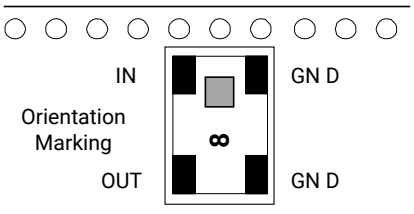


DIMENSIONS (TOP VIEW) – mm (INCHES)

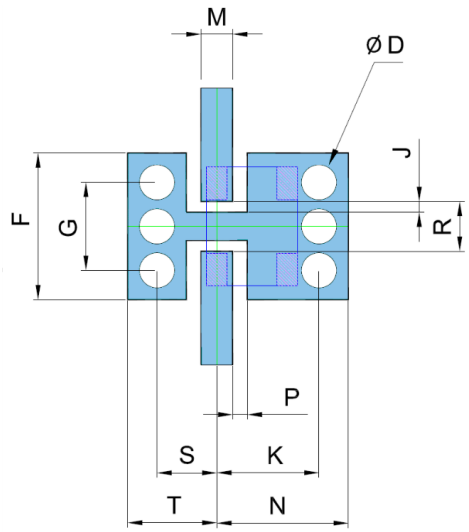


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

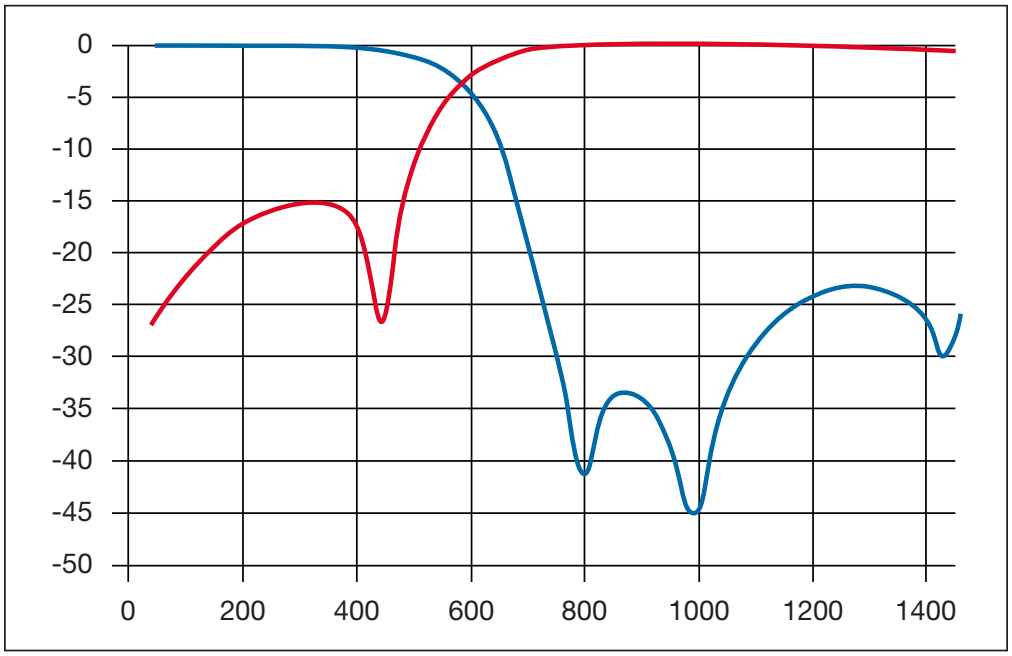
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** PCB: Taconic Orcer RF-35P

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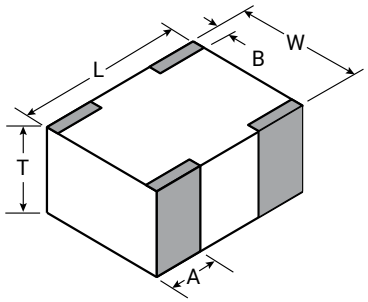
ELECTRICAL CHARACTERISTICS

LP0805H0420ASTR		
Description	**Value**	**Notes**
Fc	420 MHz	
I. Loss @ 420 MHz	-0.6 dB	Max.
R. Loss @ 420 MHz	-15 dB	
Attenuation	-30 dB -20 dB	@ 840 MHz @ 1260 MHz

TYPICAL ELECTRICAL PERFORMANCE

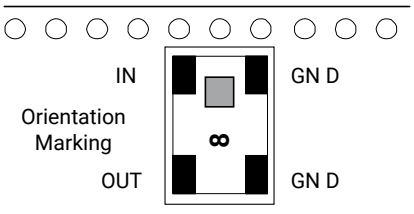


DIMENSIONS (TOP VIEW) – mm (INCHES)

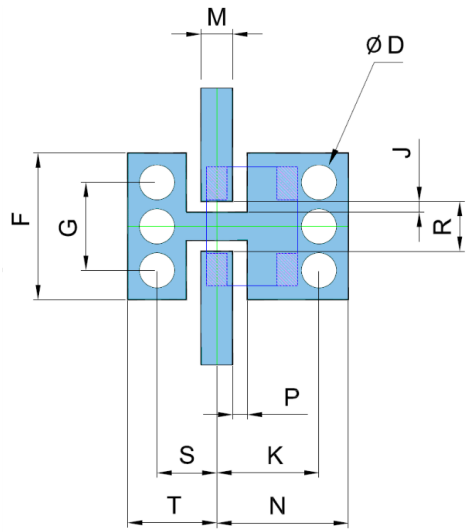


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

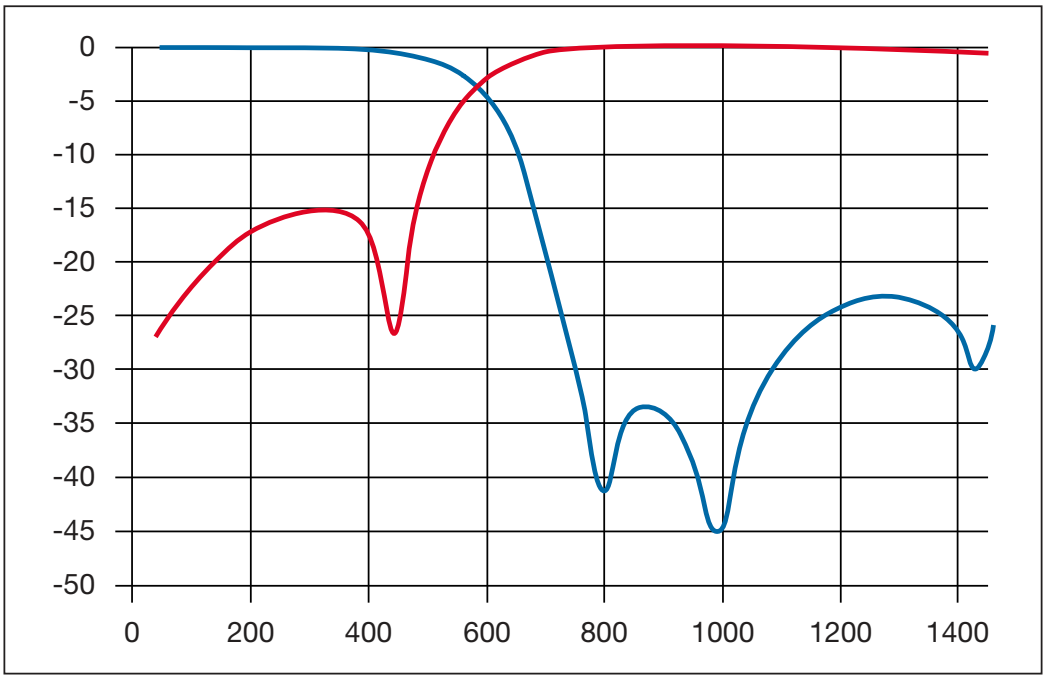
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** PCB: Taconic Orcer RF-35P

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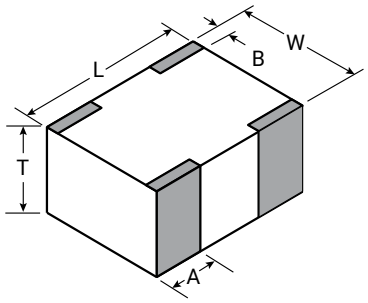
ELECTRICAL CHARACTERISTICS

LP0805H0450ASTR		
Description	**Value**	**Notes**
Fc	450 MHz	
I. Loss @ 450 MHz	-0.6 dB	Max.
R. Loss @ 450 MHz	-15 dB	
Attenuation	-28 dB -20 dB	@ 900 MHz @ 1350 MHz

TYPICAL ELECTRICAL PERFORMANCE

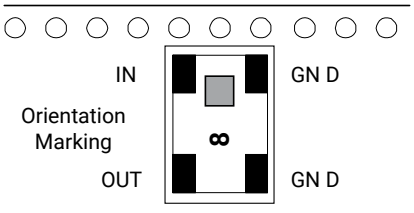


DIMENSIONS (TOP VIEW) – mm (INCHES)

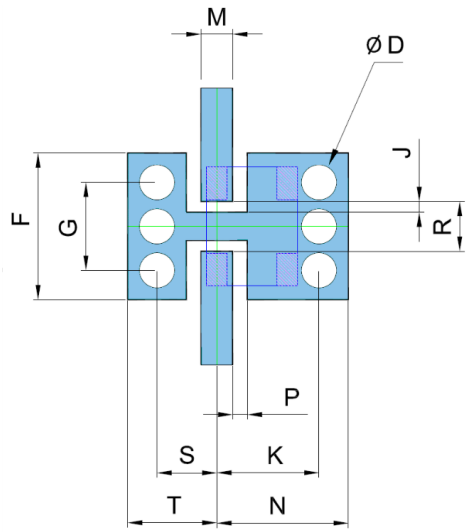


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

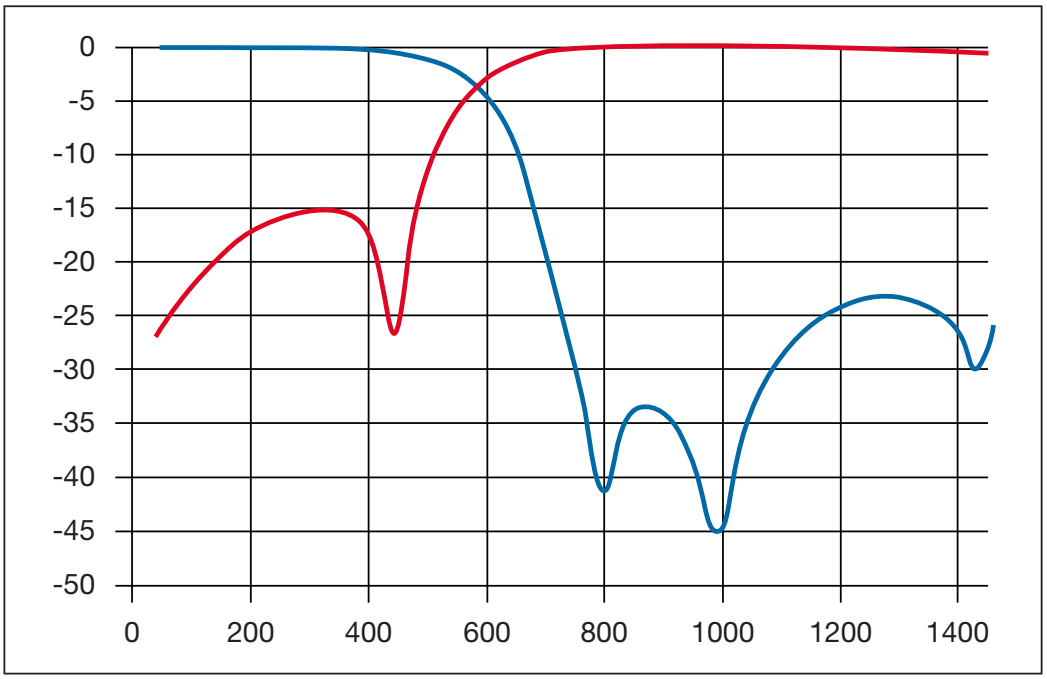
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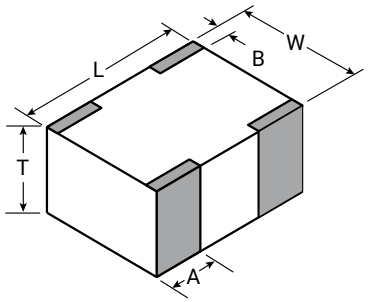
ELECTRICAL CHARACTERISTICS

LP0805H0470ASTR		
Description	**Value**	**Notes**
Fc	470 MHz	
I. Loss @ 470 MHz	-0.7 dB	Max.
R. Loss @ 470 MHz	-15 dB	
Attenuation	-28 dB -20 dB	@ 940 MHz @ 1410 MHz

TYPICAL ELECTRICAL PERFORMANCE

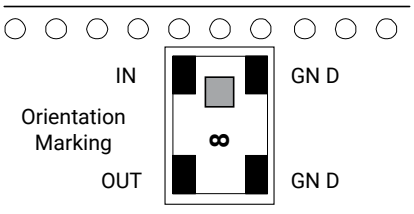


DIMENSIONS (TOP VIEW) – mm (INCHES)

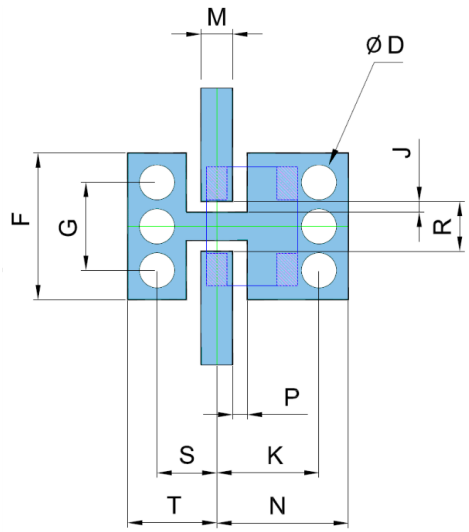


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
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øD	ø0.6±0.05 (0.023±0.002)

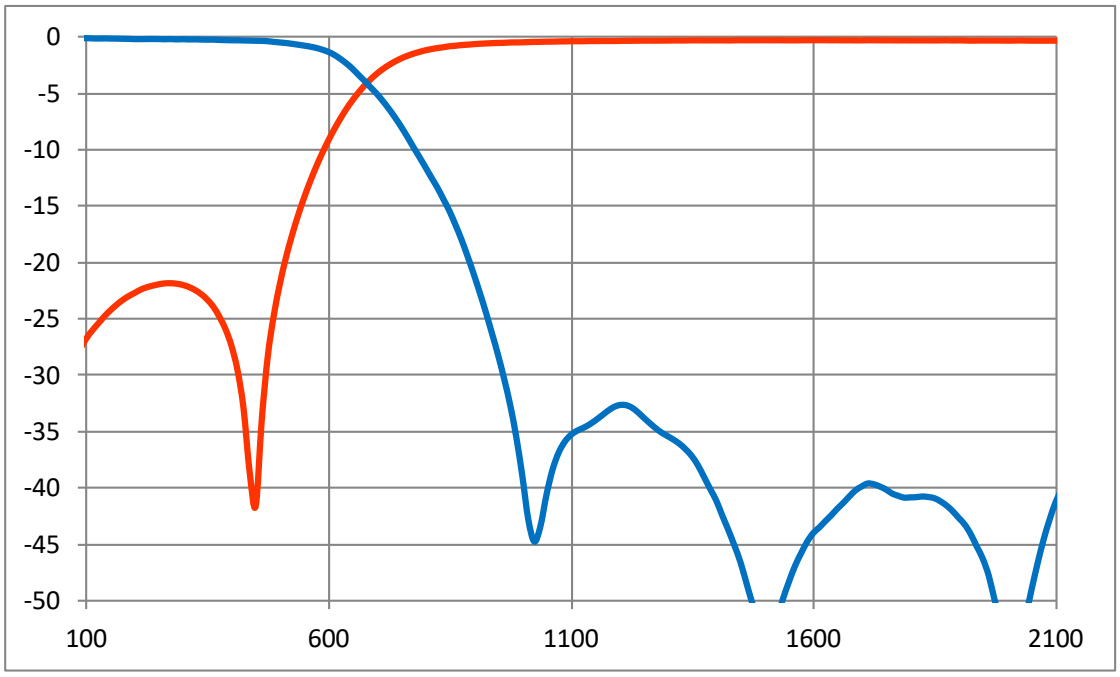
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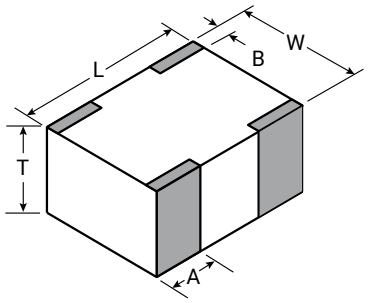
ELECTRICAL CHARACTERISTICS

LP0805H0512ASTR		
Description	**Value**	**Notes**
Fc	512 MHz	
I. Loss @ 512 MHz	-0.75 dB	
R. Loss @ 512 MHz	-12 dB	
Attenuation	-35 dB -40 dB	@ 1024 MHz @ 1536 MHz

TYPICAL ELECTRICAL PERFORMANCE

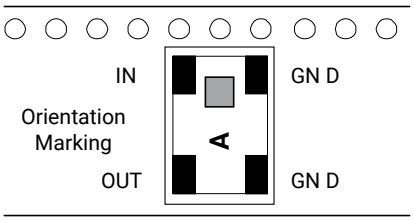


DIMENSIONS (TOP VIEW) – mm (INCHES)

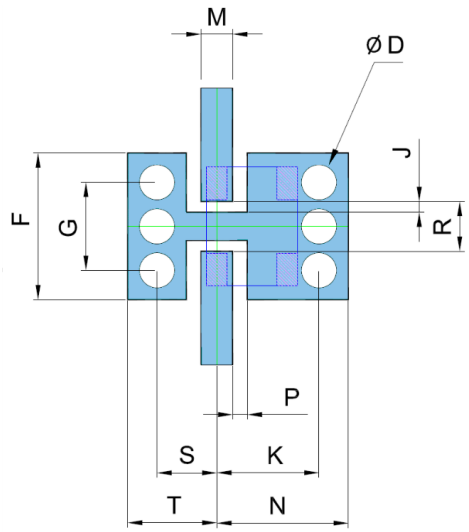


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TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
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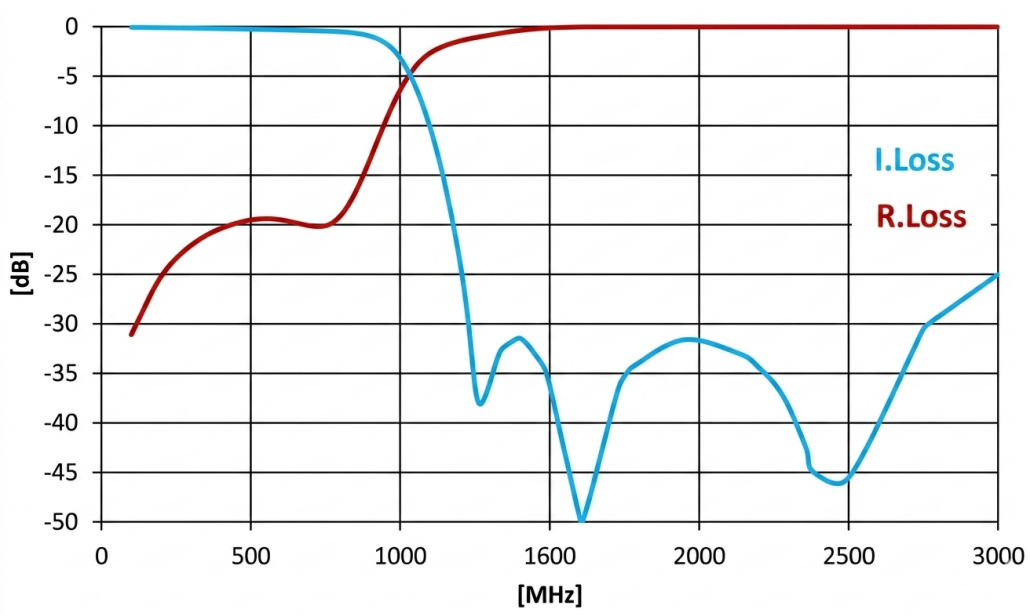
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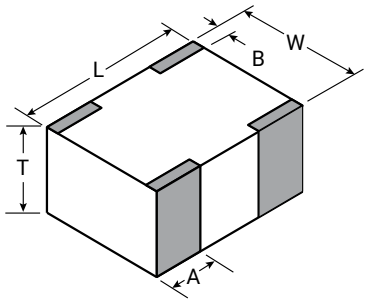
ELECTRICAL CHARACTERISTICS

LP0805H0700ASTR		
Description	**Value**	**Notes**
Fc	700 MHz	
I. Loss @ 700 MHz	-0.4 dB	Max.
R. Loss @ 700 MHz	-20 dB	
Attenuation	-35 dB -30 dB -30 dB	@ 1400 MHz @ 2100 MHz @ 2800 MHz

TYPICAL ELECTRICAL PERFORMANCE

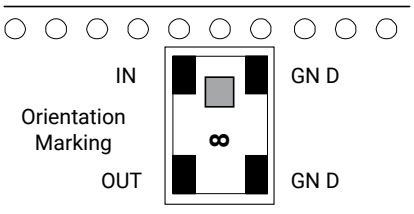


DIMENSIONS (TOP VIEW) – mm (INCHES)

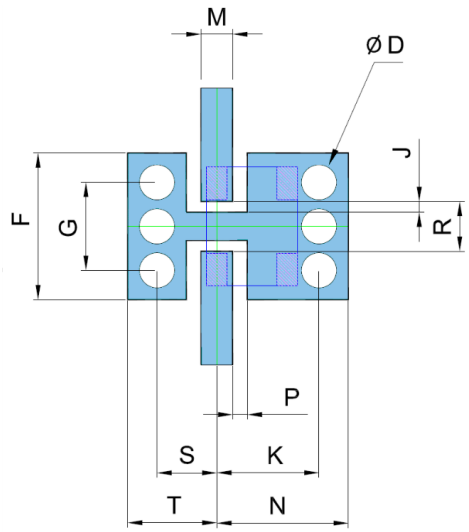


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
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TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
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P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

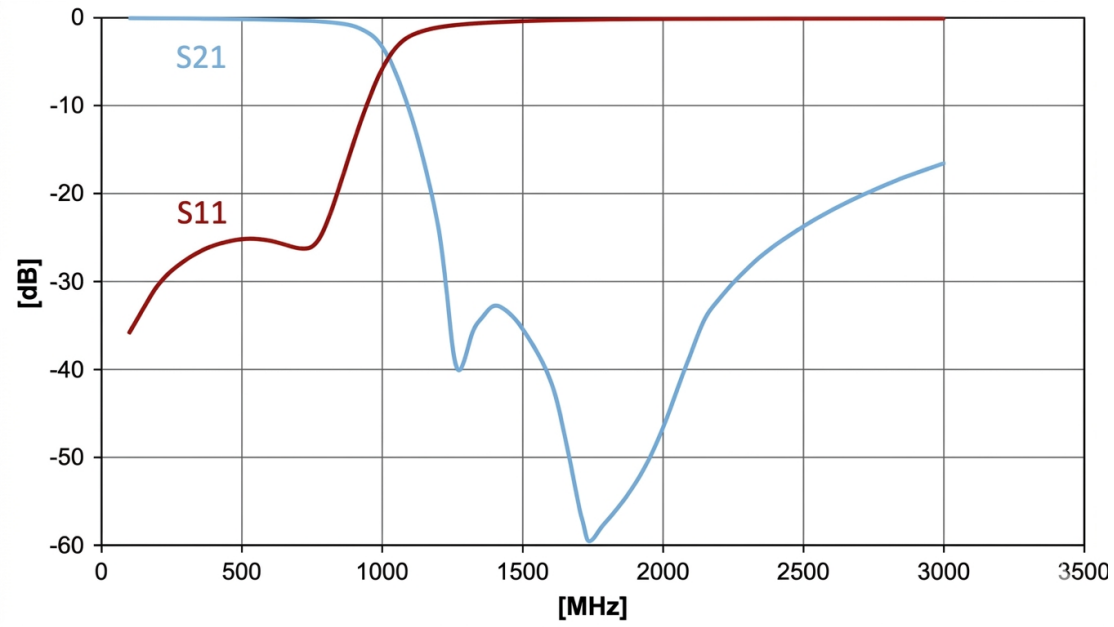
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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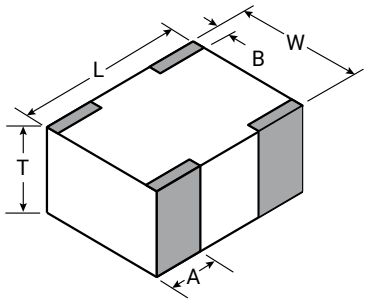
ELECTRICAL CHARACTERISTICS

LP0805H0750ASTR	
Description	**Value**
Fc	750 MHz
I. Loss @ 450 MHz	-0.4 dB
R. Loss @ 450 MHz	11.7
Attenuation	1500 MHz: 37 dB 2250 MHz: 33 dB

TYPICAL ELECTRICAL PERFORMANCE

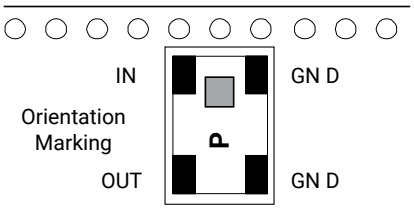


DIMENSIONS (TOP VIEW) – mm (INCHES)

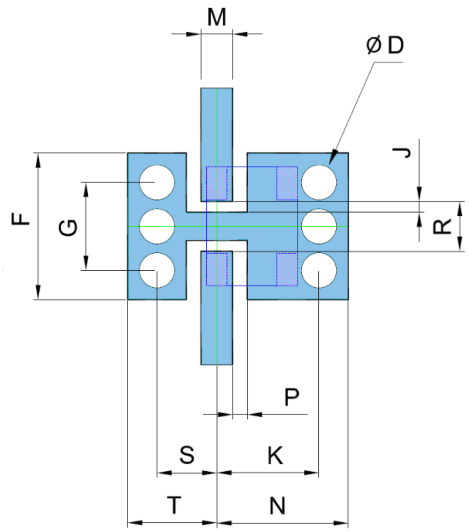


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

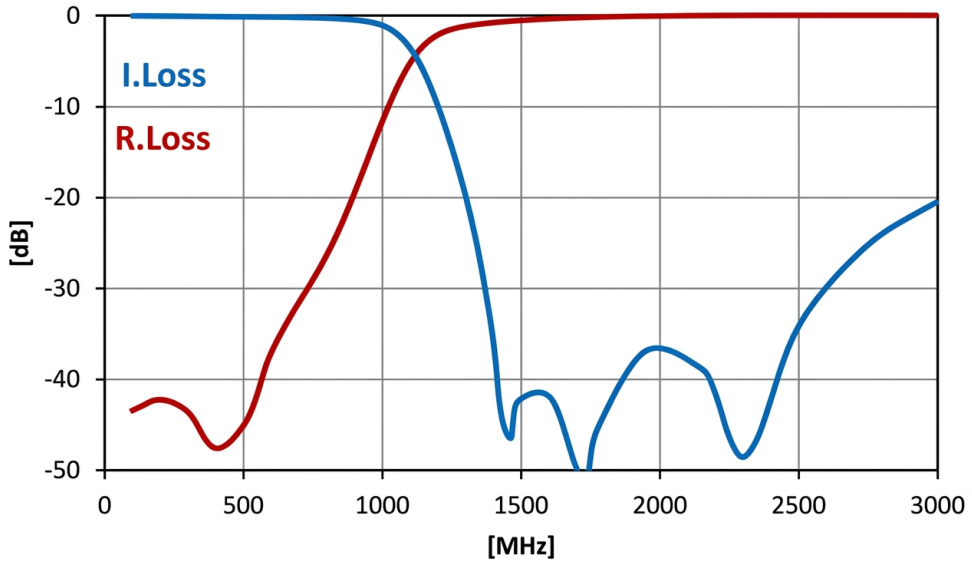
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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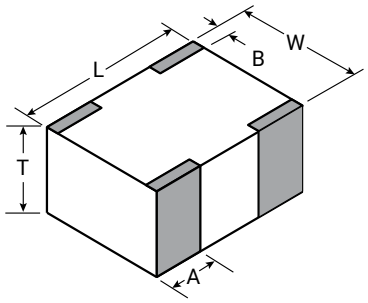
ELECTRICAL CHARACTERISTICS

LP0805H0780ASTR		
Description	**Value**	**Notes**
Fc	780 MHz	
I. Loss @ 780 MHz	-0.4 dB	Max.
R. Loss @ 780 MHz	-20 dB	
Attenuation	-35 dB -40 dB -20 dB	@ 1560 MHz @ 2340 MHz @ 3120 MHz

TYPICAL ELECTRICAL PERFORMANCE

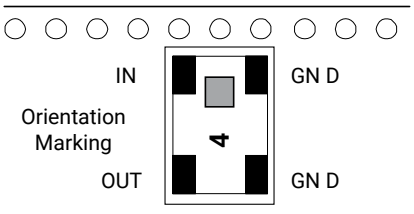


DIMENSIONS (TOP VIEW) – mm (INCHES)

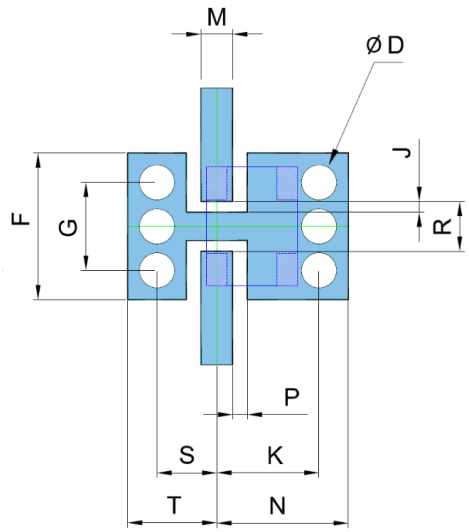


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

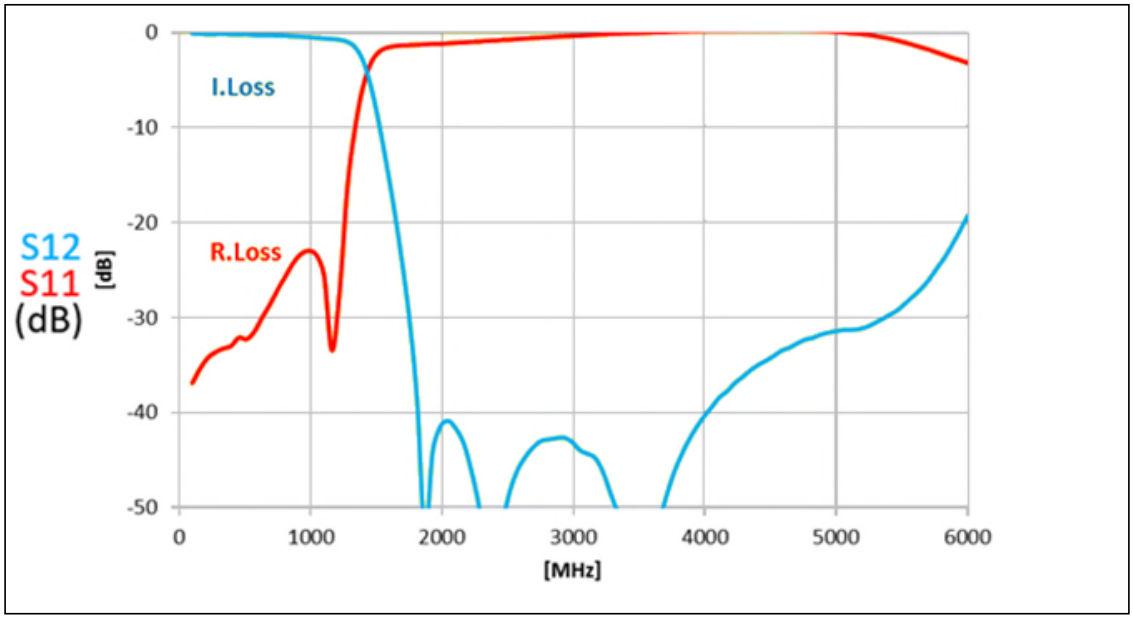
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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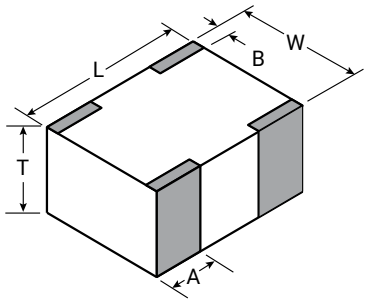
ELECTRICAL CHARACTERISTICS

LP0805H0900ASTR		
Description	**Value**	**Notes**
Fc	900 MHz	
I. Loss @ 900 MHz	-0.5 dB	Max.
R. Loss @ 900 MHz	-20 dB	
Attenuation	-30 dB -40 dB -45dB	@ 1800 MHz @ 2700 MHz @ 3600 MHz

TYPICAL ELECTRICAL PERFORMANCE

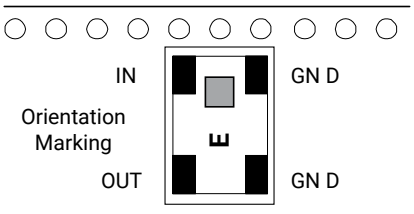


DIMENSIONS (TOP VIEW) – mm (INCHES)

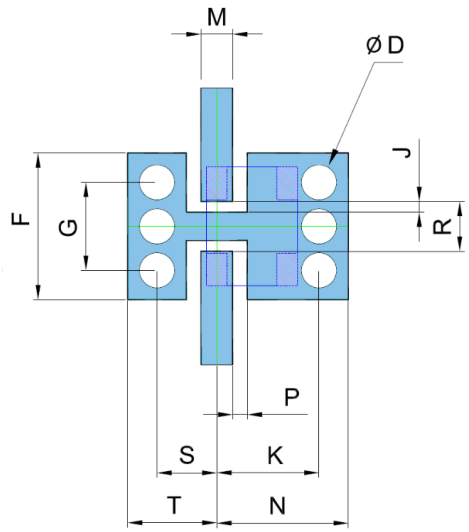


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

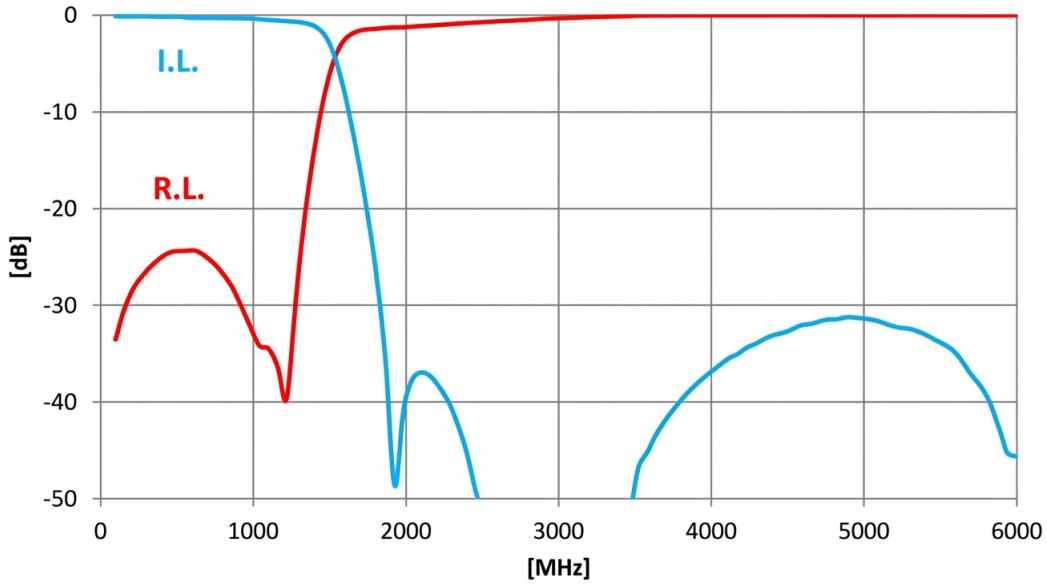
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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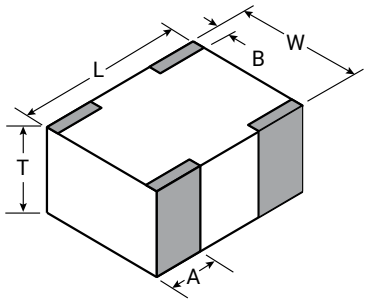
ELECTRICAL CHARACTERISTICS

LP0805H0942ASTR		
Description	**Value**	**Notes**
Fc	942 MHz	
I. Loss @ 942 MHz	-0.4 dB	Max.
R. Loss @ 942 MHz	-20 dB	
Attenuation	-35 dB -40 dB -35dB	@ 1884 MHz @ 2826 MHz @ 3768 MHz

TYPICAL ELECTRICAL PERFORMANCE

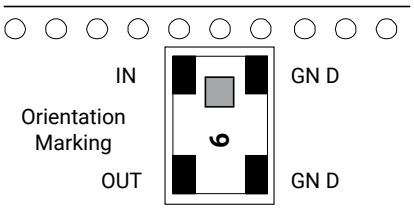


DIMENSIONS (TOP VIEW) – mm (INCHES)

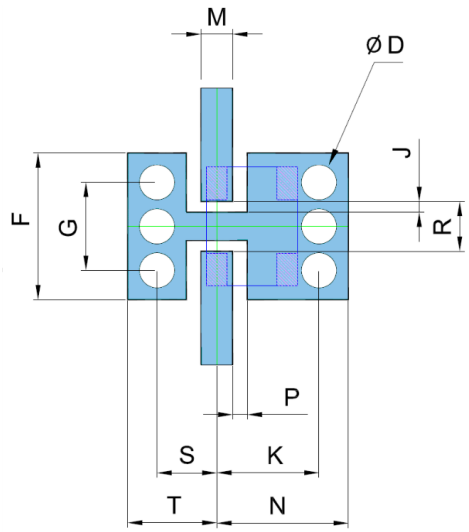


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

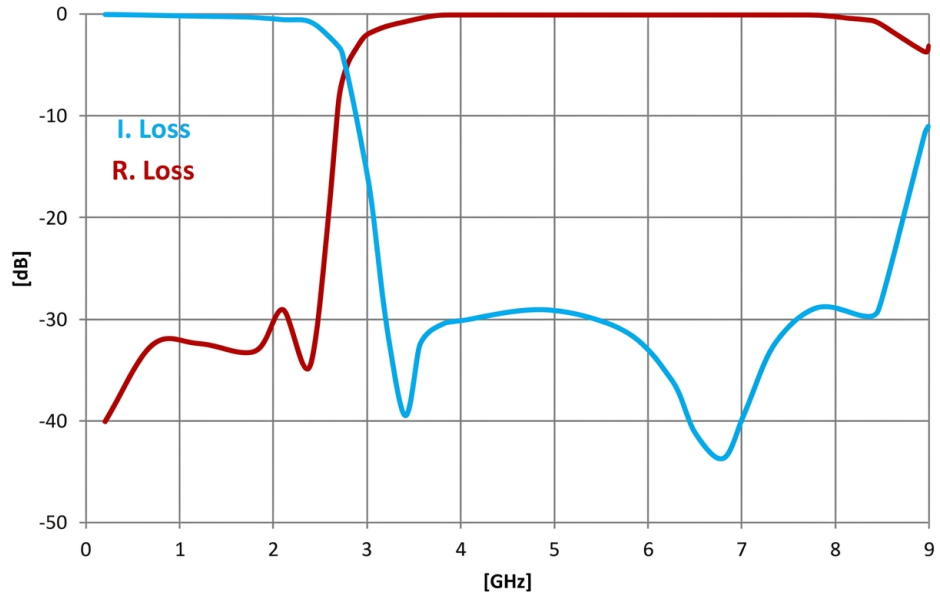
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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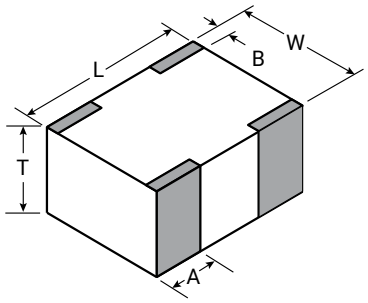
ELECTRICAL CHARACTERISTICS

LP0805H1000ASTR		
Description	**Value**	**Notes**
Fc	1000 MHz	
I. Loss @ 1000 MHz	-0.7 dB	Max.
R. Loss @ 1000 MHz	-20 dB	
Attenuation	-35 dB -40 dB -35 dB -30 dB	@ 2000 MHz @ 3000 MHz @ 4000 MHz @ 5000 MHz

TYPICAL ELECTRICAL PERFORMANCE

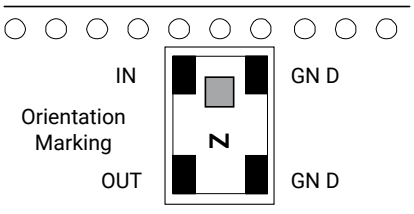


DIMENSIONS (TOP VIEW) – mm (INCHES)

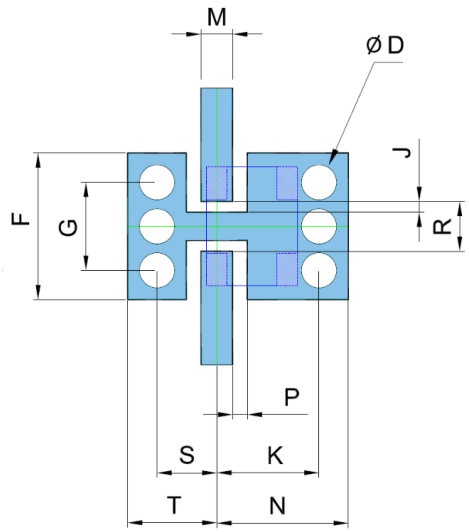


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

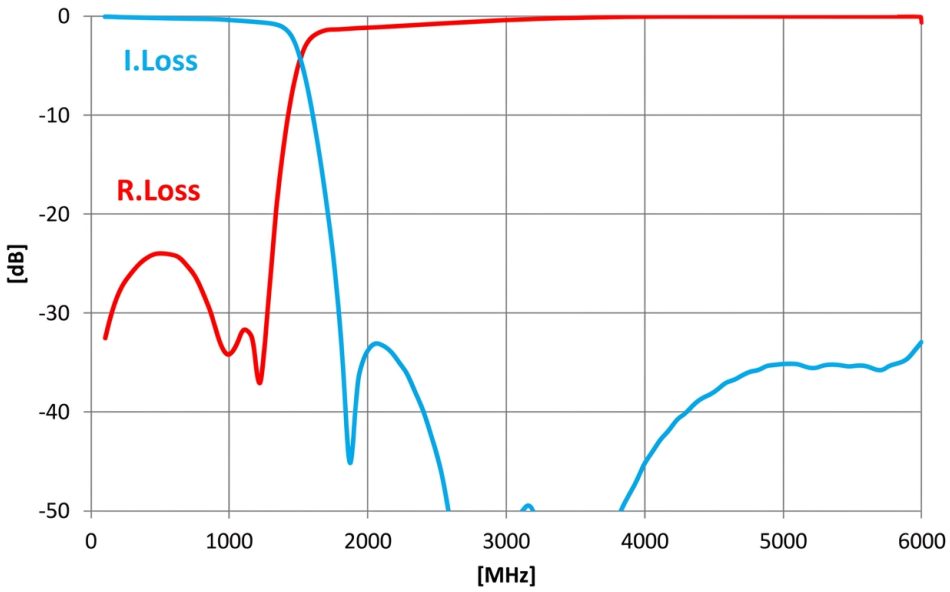
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** PCB: Taconic Orcer RF-35P

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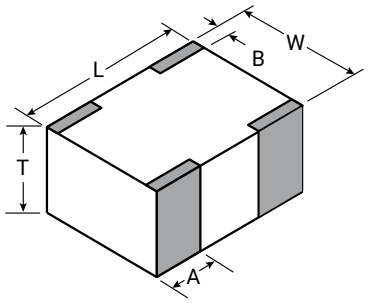
ELECTRICAL CHARACTERISTICS

LP0805H1250ASTR		
Description	**Value**	**Notes**
Fc	1250 MHz	
I. Loss @ 1250 MHz	-0.7 dB	Max.
R. Loss @ 1250 MHz	-25 dB	
Attenuation	-20 dB -35 dB -40 dB -30 dB	@ 1750 MHz @ 2500 MHz @ 3750 MHz @ 5000 MHz

TYPICAL ELECTRICAL PERFORMANCE

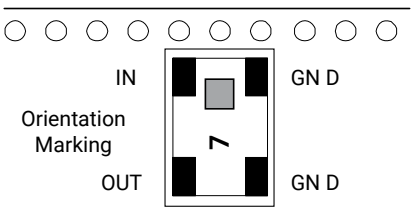


DIMENSIONS (TOP VIEW) – mm (INCHES)

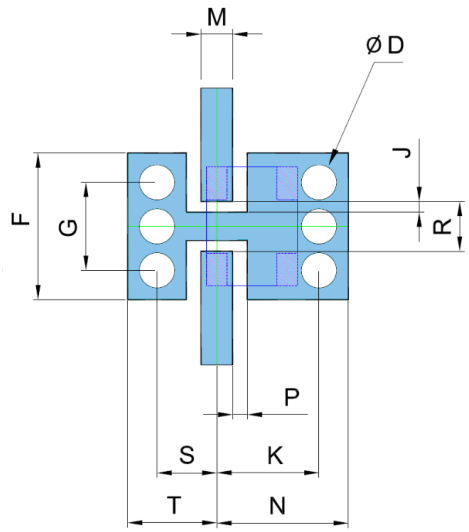


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

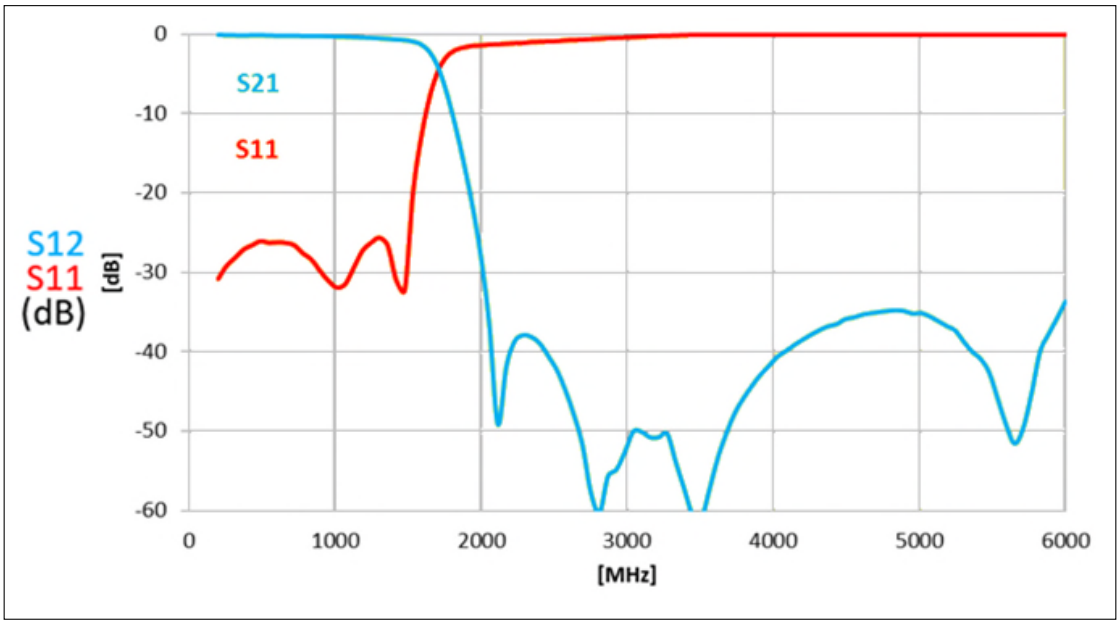
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** PCB: Taconic Orcer RF-35P

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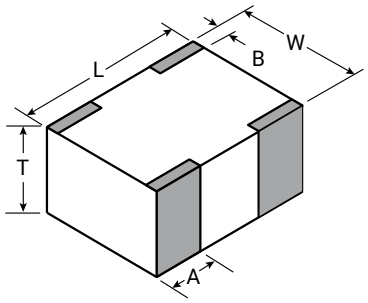
ELECTRICAL CHARACTERISTICS

LP0805H1500ASTR		
Description	**Value**	**Notes**
Fc	1500 MHz	
I. Loss @ 1500 MHz	-1 dB	Max.
R. Loss @ 1500 MHz	-25 dB	
Attenuation	-35 dB -40 dB -30 dB	@ 2100 MHz @ 3000 MHz @ 4500 MHz

TYPICAL ELECTRICAL PERFORMANCE

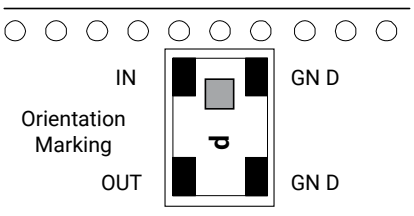


DIMENSIONS (TOP VIEW) – mm (INCHES)

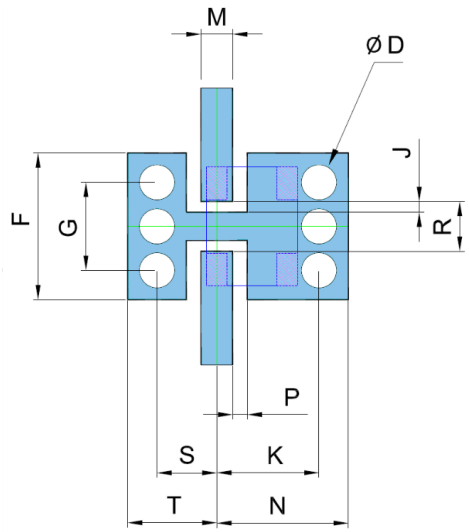


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

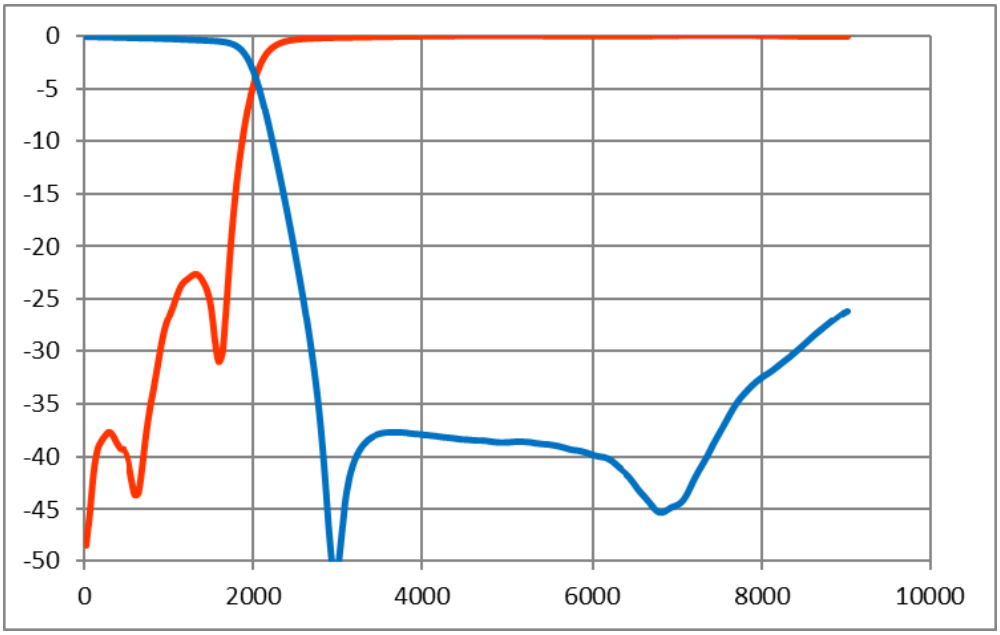
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** PCB: Taconic Orcer RF-35P

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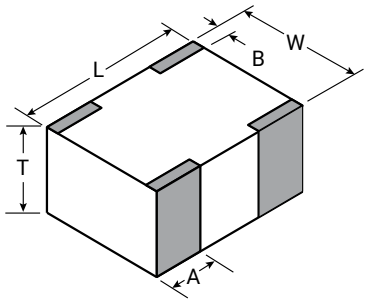
ELECTRICAL CHARACTERISTICS

LP0805H1575ASTR		
Description	**Value**	**Notes**
Fc	1575 MHz	
I. Loss @ 1575 MHz	-0.6 dB	
R. Loss @ 1575 MHz	-15 dB	
Attenuation	-30 dB	@ 3000-8000 MHz

TYPICAL ELECTRICAL PERFORMANCE

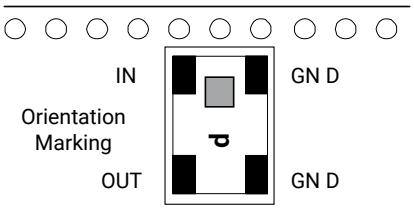


DIMENSIONS (TOP VIEW) – mm (INCHES)

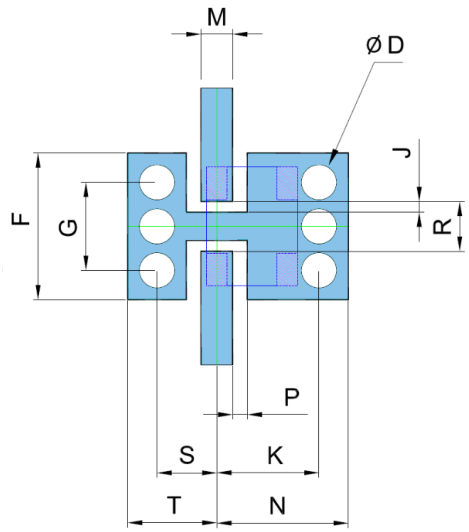


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

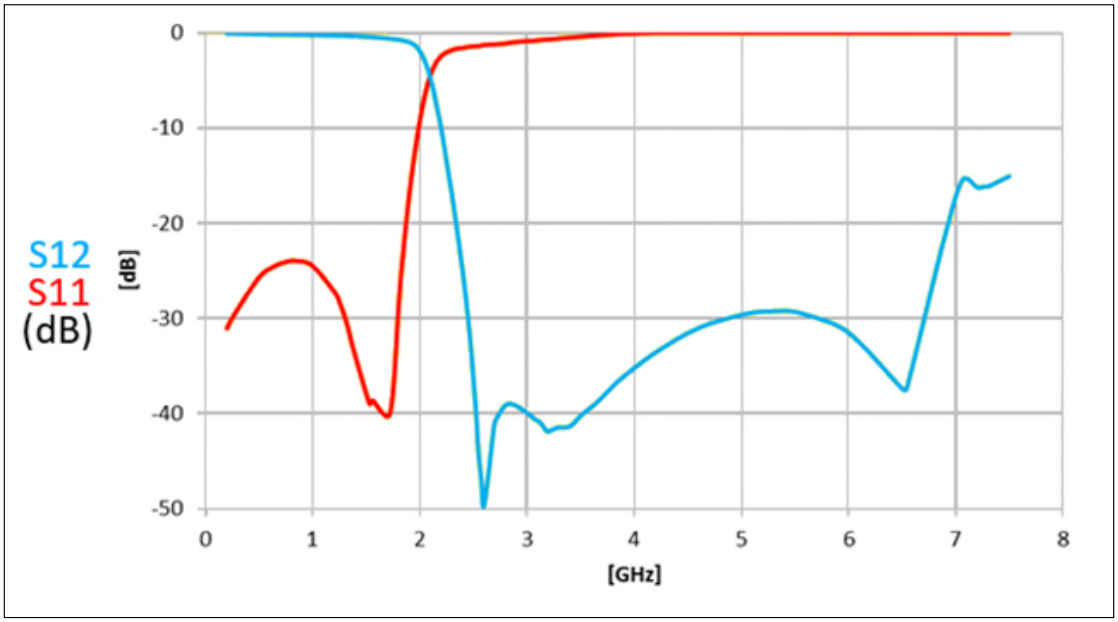
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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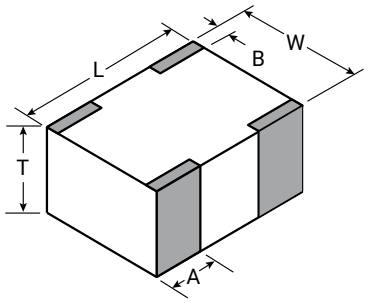
ELECTRICAL CHARACTERISTICS

LP0805H1700ASTR		
Description	**Value**	**Notes**
Fc	1700 MHz	
I. Loss @ 1700 MHz	-0.7 dB	Max.
R. Loss @ 1700 MHz	-25 dB	
Attenuation	-35 dB -25 dB	@ 3400 MHz @ 5100 MHz

TYPICAL ELECTRICAL PERFORMANCE

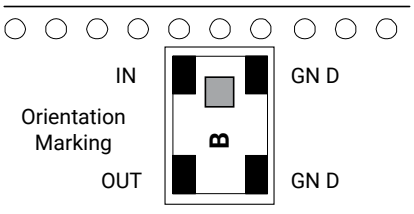


DIMENSIONS (TOP VIEW) – mm (INCHES)

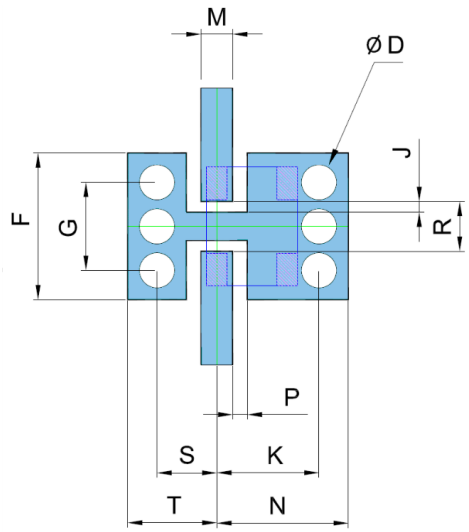


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

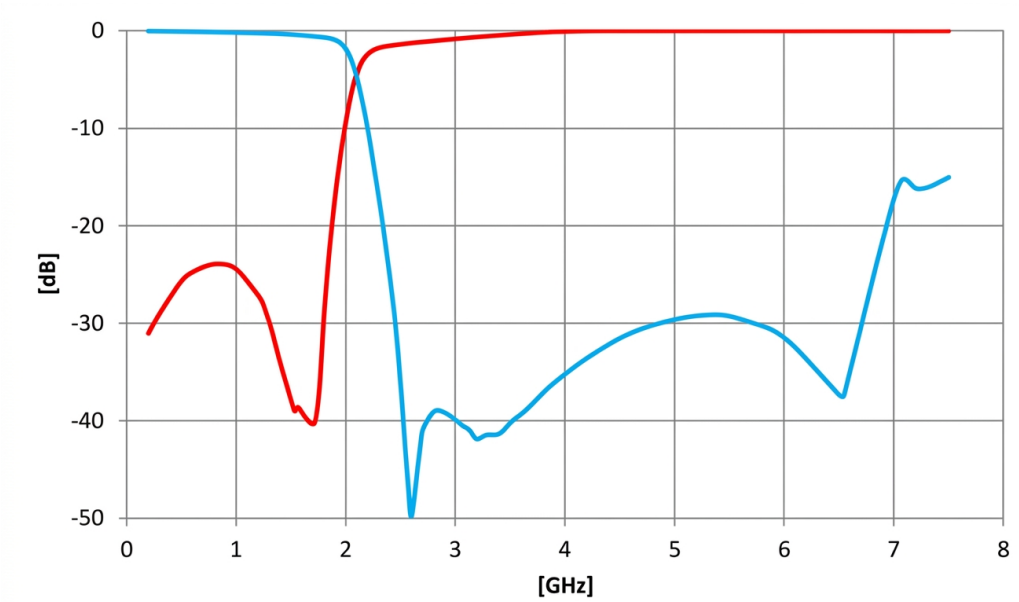
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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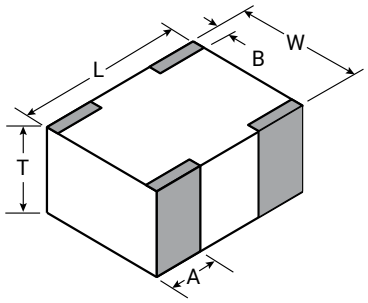
ELECTRICAL CHARACTERISTICS

LP0805H1800ASTR		
Description	**Value**	**Notes**
Fc	1800 MHz	
I. Loss @ 1800 MHz	-0.8 dB	Max.
R. Loss @ 1800 MHz	-25 dB	
Attenuation	-35 dB -35 dB -35 dB	@ 2520 MHz @ 3600 MHz @5400 MHz

TYPICAL ELECTRICAL PERFORMANCE

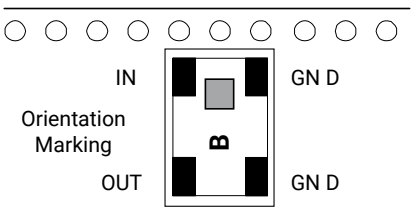


DIMENSIONS (TOP VIEW) – mm (INCHES)

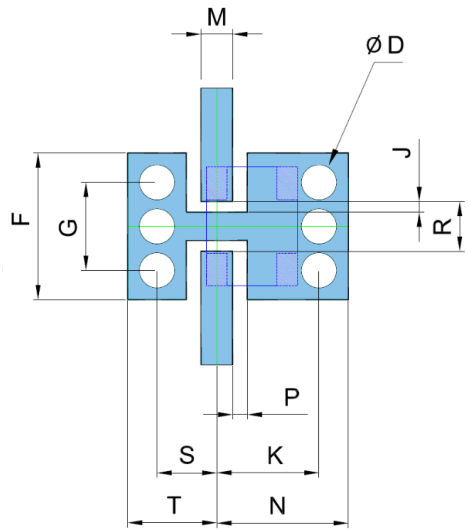


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

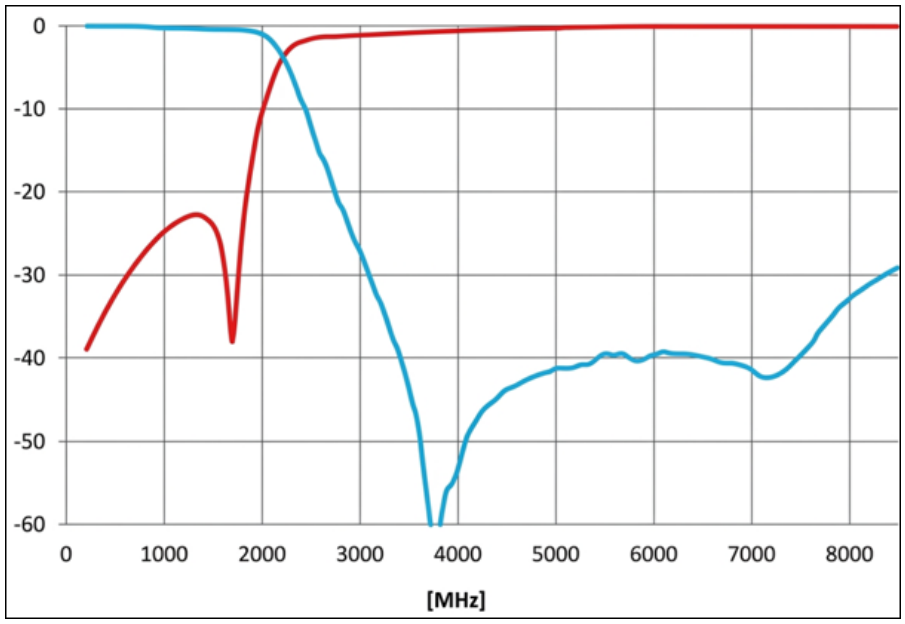
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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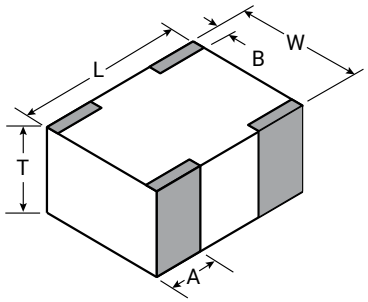
ELECTRICAL CHARACTERISTICS

LP0805H1880ASTR		
Description	**Value**	**Notes**
Fc	1880 MHz	
I. Loss @ 1880 MHz	-0.85 dB	Max.
R. Loss @ 1880 MHz	-15 dB	
Attenuation	-40 dB -30 dB -30 dB	@ 3650-3690 MHz @ 3760-5640 MHz @ 7520 MHz

TYPICAL ELECTRICAL PERFORMANCE

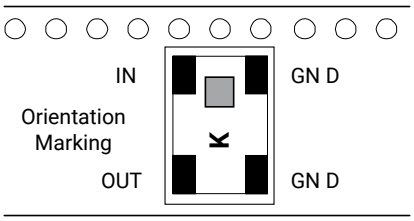


DIMENSIONS (TOP VIEW) – mm (INCHES)

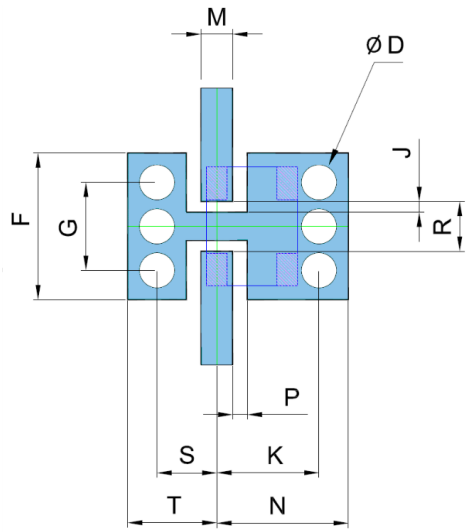


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

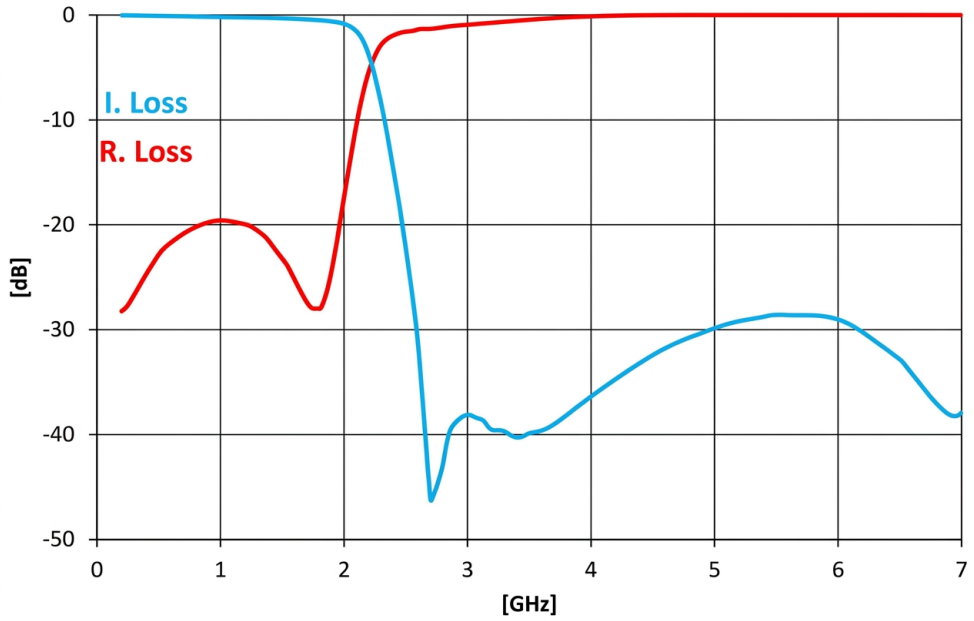
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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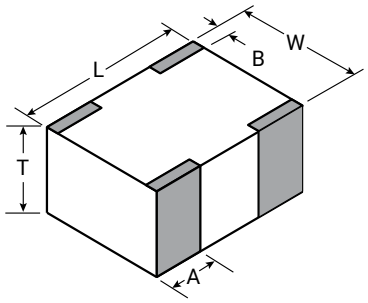
ELECTRICAL CHARACTERISTICS

LP0805H1900ASTR		
Description	**Value**	**Notes**
Fc	1900 MHz	
I. Loss @ 1900 MHz	-0.75 dB	Max.
R. Loss @ 1900 MHz	-20 dB	
Attenuation	-35 dB -35 dB -25 dB	@ 2660 MHz @ 2800 MHz @ 5700 MHz

TYPICAL ELECTRICAL PERFORMANCE

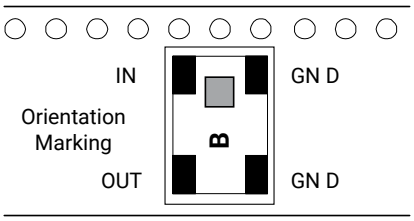


DIMENSIONS (TOP VIEW) – mm (INCHES)

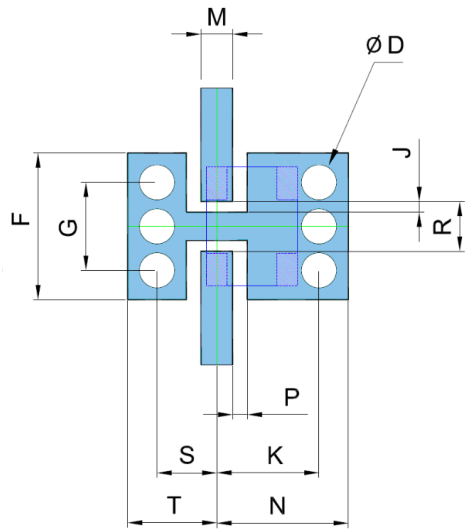


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

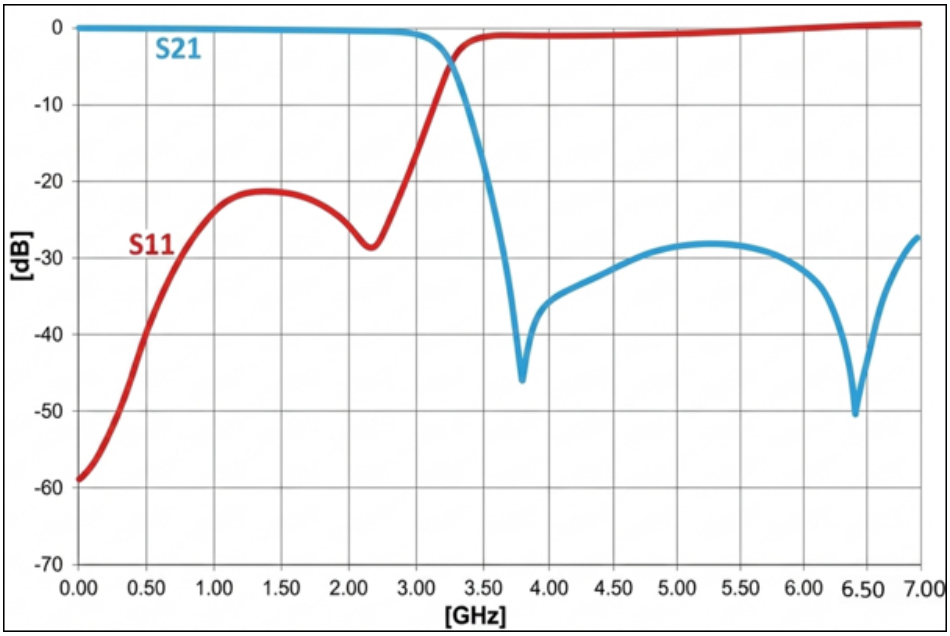
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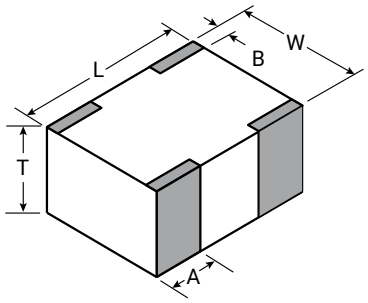
ELECTRICAL CHARACTERISTICS

LP0805H2000ASTR		
Description	**Value**	**Notes**
Fc	2000 MHz	
I. Loss @ 2000 MHz	-0.35 dB	Max. @ 2000 MHz
R. Loss @ 2000 MHz	-17 dB	
Attenuation	-30 dB	@ 4-6 MHz

TYPICAL ELECTRICAL PERFORMANCE

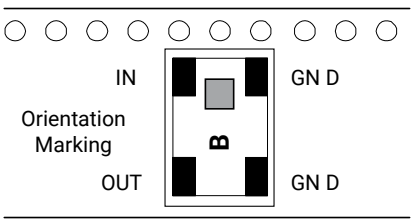


DIMENSIONS (TOP VIEW) – mm (INCHES)

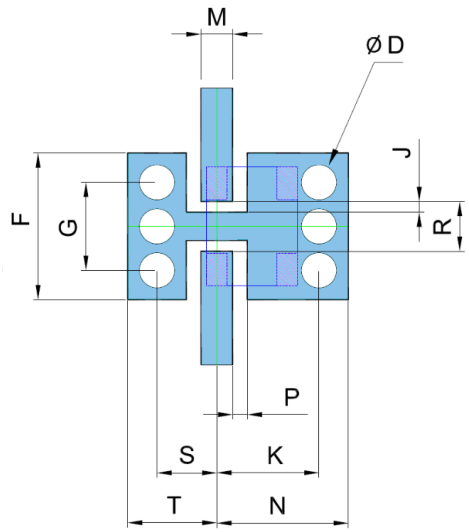


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
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Thin-Film RF/Microwave Filters

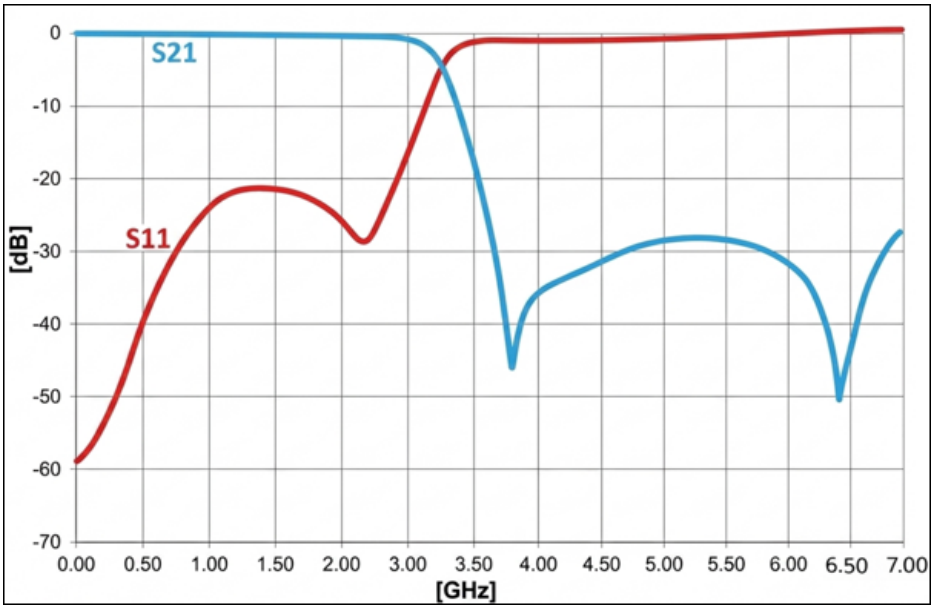
Low Pass 0805 High Performance SMD 8W

LP0805H2300ASTR – SMD Termination

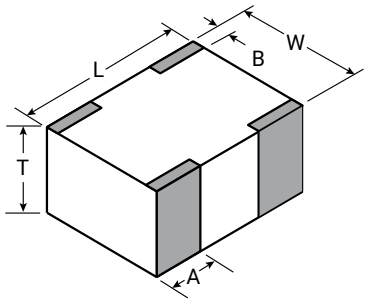
ELECTRICAL CHARACTERISTICS

LP0805H2300ASTR		
Description	**Value**	**Notes**
Fc	2300 MHz	
I. Loss @ 2300 MHz	-0.95 dB	Max.
R. Loss @ 2300 MHz	-17 dB	
Attenuation	-20 dB -25 dB -27 dB -35 dB	@ 3400-4300 MHz @ 4300-5100 MHz @ 5100-6000 MHz @ 6100-6400 MHz

TYPICAL ELECTRICAL PERFORMANCE

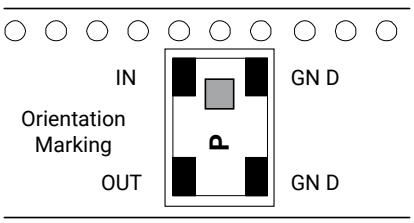


DIMENSIONS (TOP VIEW) – mm (INCHES)

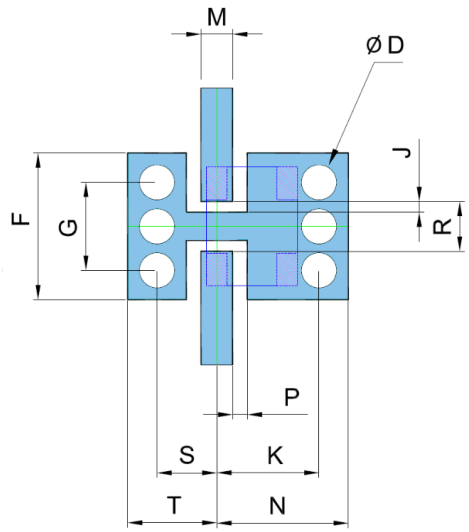


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
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P	0.25±0.05 (0.096±0.002)
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N	2.24±0.05 (0.088±0.002)
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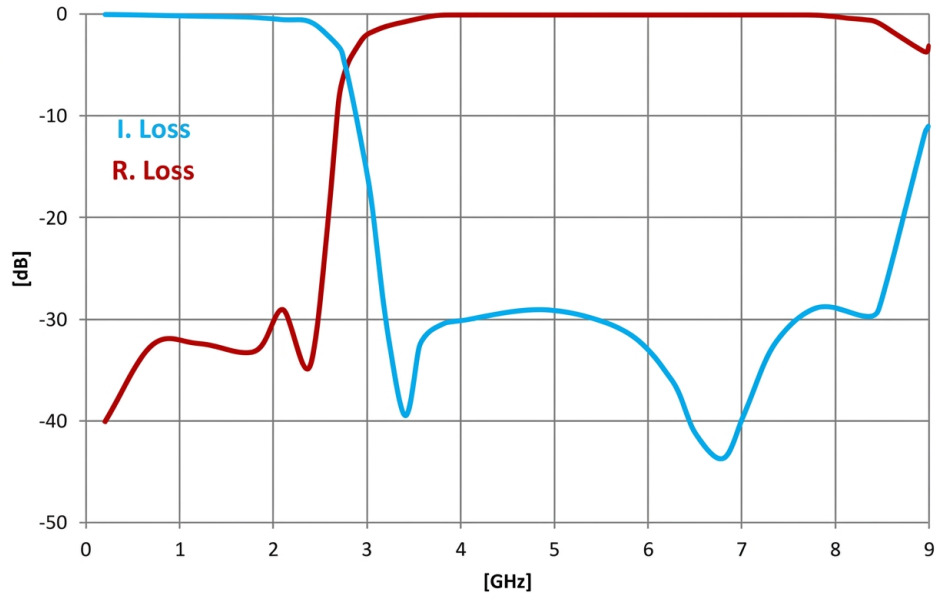
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** PCB: Taconic Orcer RF-35P

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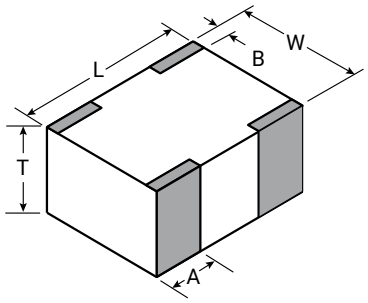
ELECTRICAL CHARACTERISTICS

LP0805H2400ASTR		
Description	**Value**	**Notes**
Fc	2400 MHz	
I. Loss @ 2400 MHz	-0.9 dB	Max.
R. Loss @2400 MHz	-30 dB	
Attenuation	-30 dB -25 dB -30 dB	@ 3360 MHz @ 4800 MHz @ 7200 MHx

TYPICAL ELECTRICAL PERFORMANCE

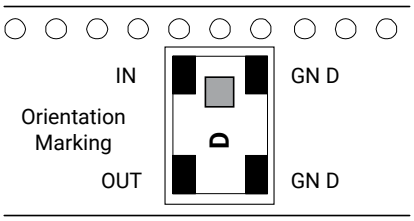


DIMENSIONS (TOP VIEW) – mm (INCHES)

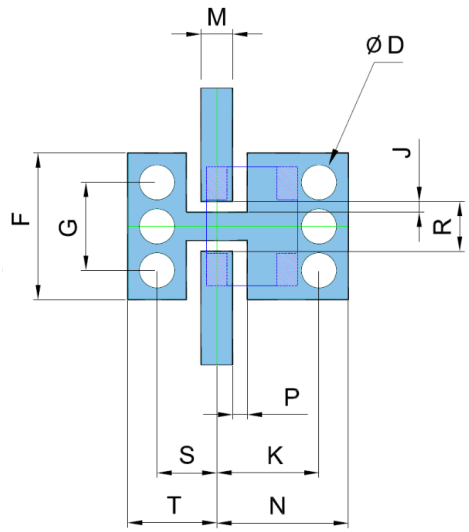


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

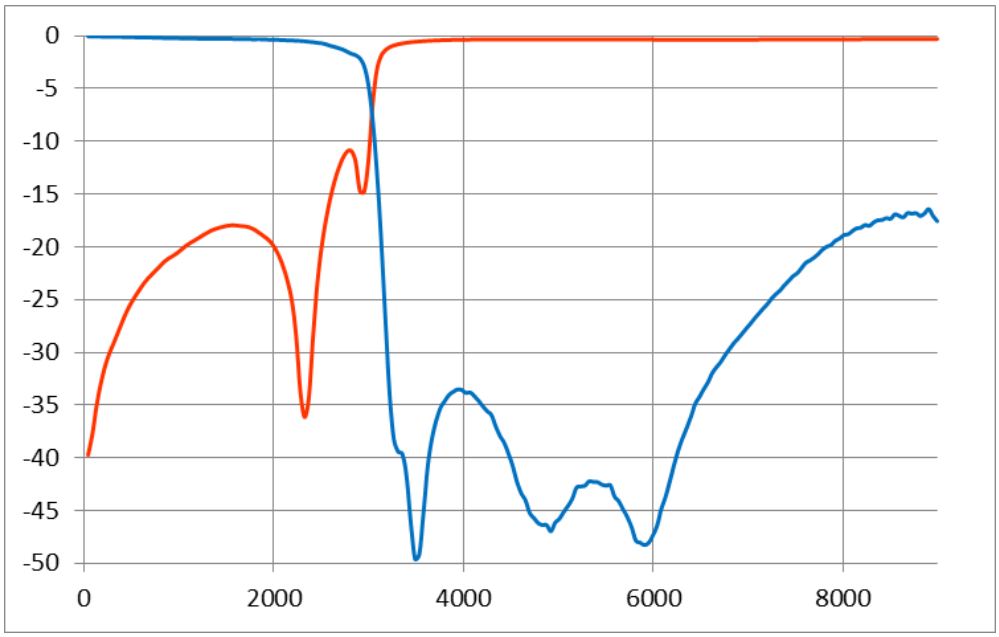
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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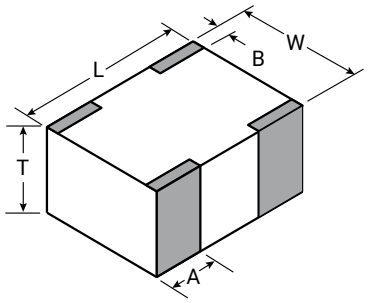
ELECTRICAL CHARACTERISTICS

LP0805H2450ASTR		
Description	**Value**	**Notes**
Fc	2450 MHz	
I. Loss @ 2450 MHz	-0.75 dB	
R. Loss @ 2450 MHz	-15 dB	
Attenuation	-40 dB -20 dB	@ 4900 MHz @ 7350 MHz

TYPICAL ELECTRICAL PERFORMANCE

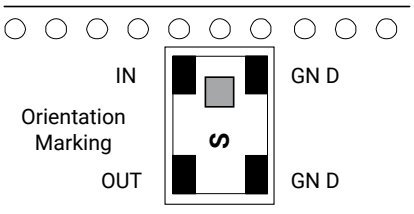


DIMENSIONS (TOP VIEW) – mm (INCHES)

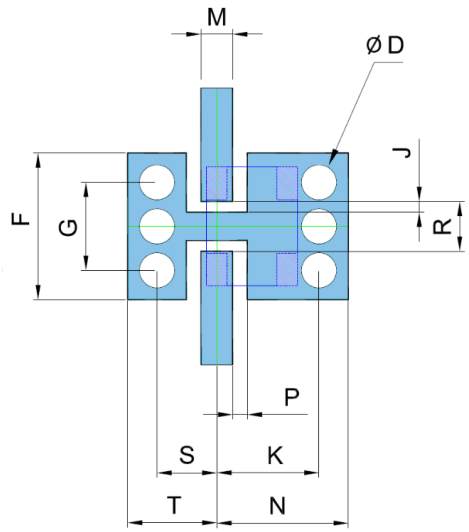


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

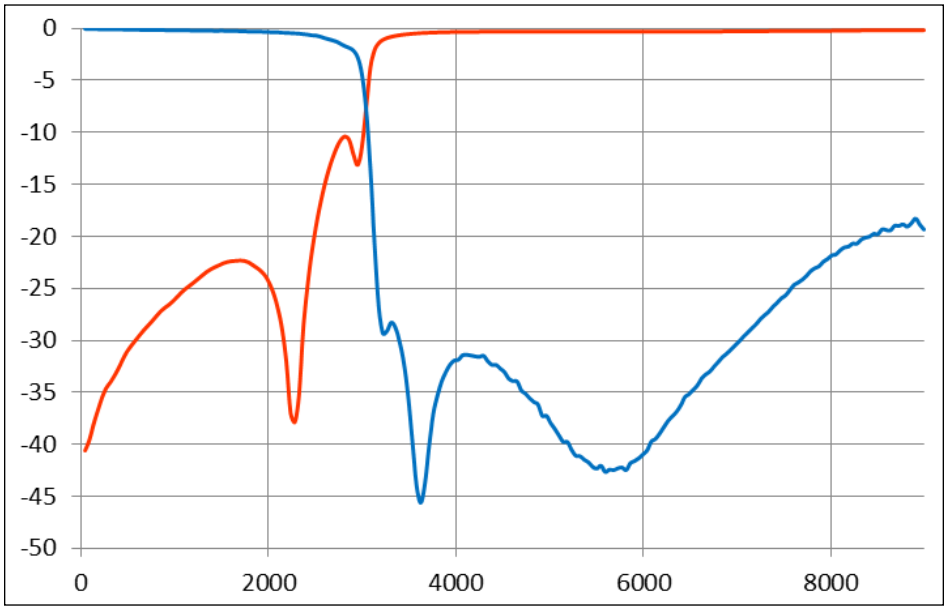
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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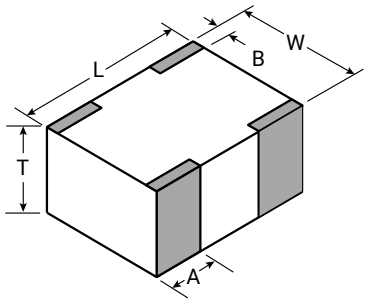
ELECTRICAL CHARACTERISTICS

LP0805H2500ASTR		
Description	**Value**	**Notes**
Fc	2500 MHz	
I. Loss @ 2500 MHz	-0.8 dB	
R. Loss @ 2500 MHz	-15 dB	
Attenuation	-28 dB -20 dB	@ 4000-6000 MHz @ 6001-8000 MHz

TYPICAL ELECTRICAL PERFORMANCE

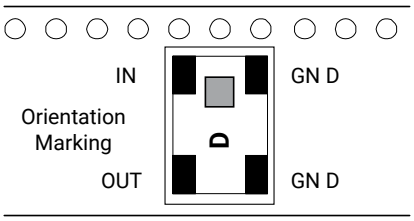


DIMENSIONS (TOP VIEW) – mm (INCHES)

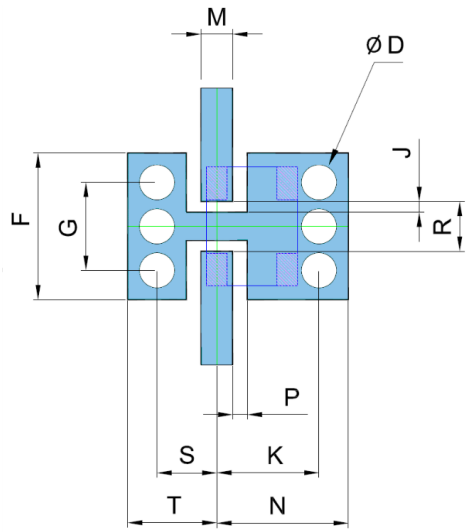


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

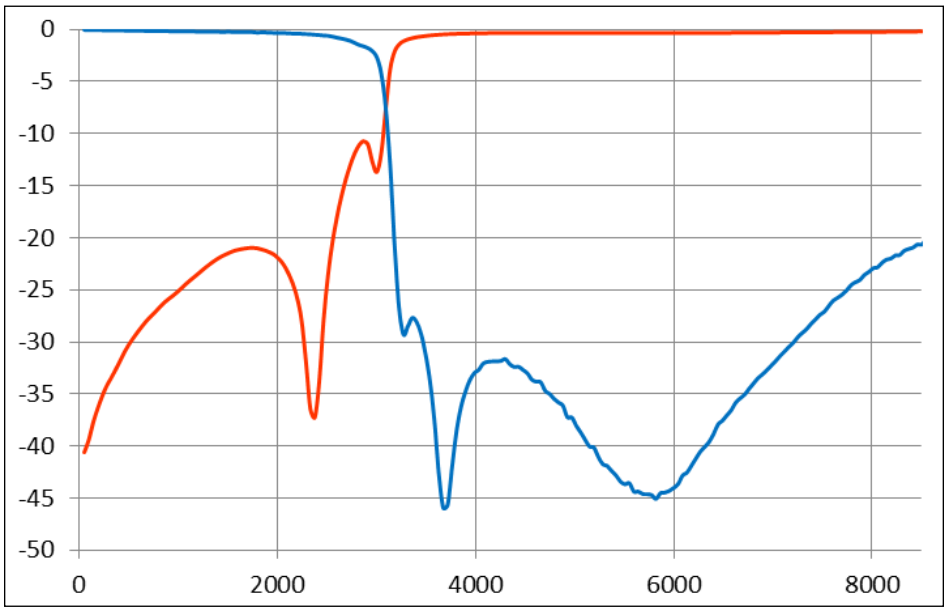
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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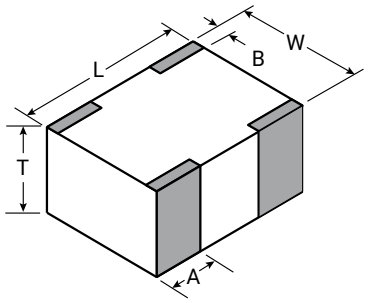
ELECTRICAL CHARACTERISTICS

LP0805H2600ASTR		
Description	**Value**	**Notes**
Fc	2600 MHz	
I. Loss @ 2600 MHz	-0.9 dB	
R. Loss @ 2600 MHz	-15 dB	
Attenuation	-28 dB -20 dB	@ 4000-6000 MHz @ 6001-8000 MHz

TYPICAL ELECTRICAL PERFORMANCE

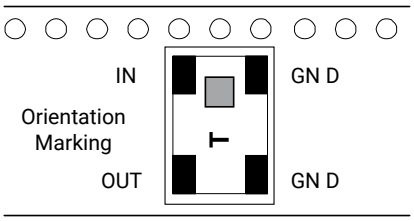


DIMENSIONS (TOP VIEW) – mm (INCHES)

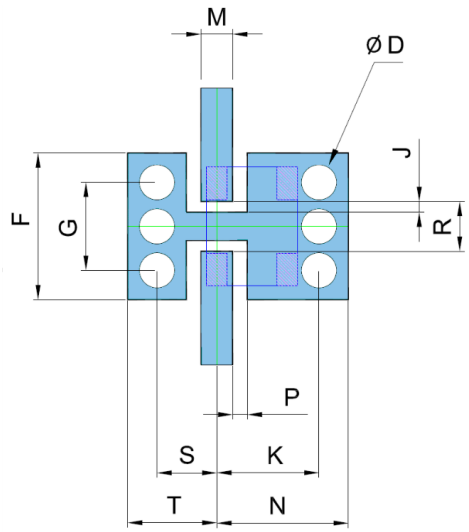


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

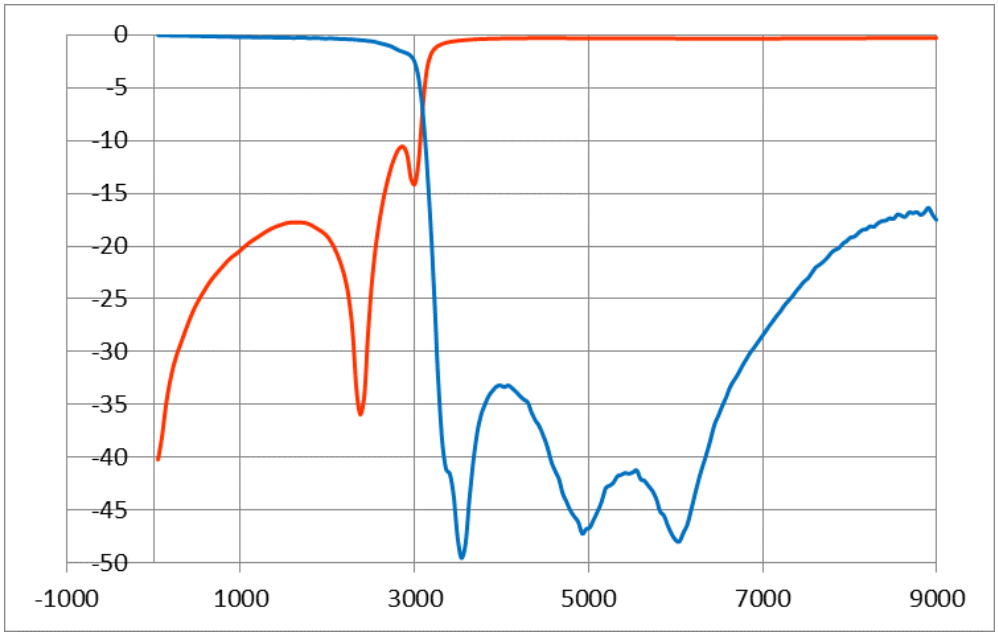
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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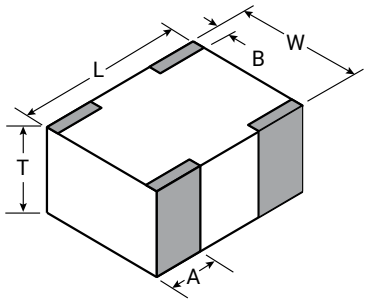
ELECTRICAL CHARACTERISTICS

LP0805H2700ASTR		
Description	**Value**	**Notes**
Fc	2700 MHz	
I. Loss @ 2700 MHz	-1.2 dB	
R. Loss @ 2700 MHz	-12 dB	
Attenuation	-15 dB -28 dB -20 dB	@ 3200 MHz @ 4600-5600 MHz @ 5600-8000 MHz

TYPICAL ELECTRICAL PERFORMANCE

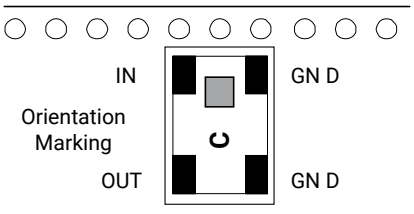


DIMENSIONS (TOP VIEW) – mm (INCHES)

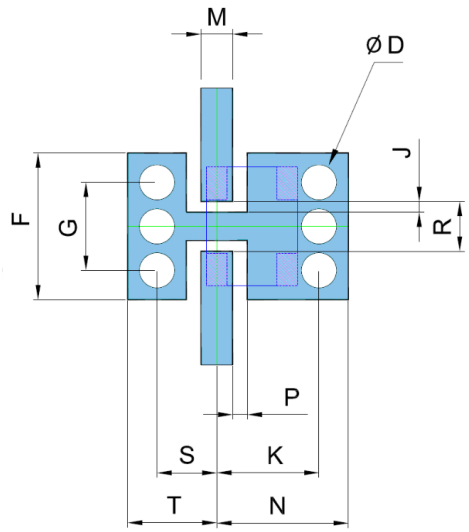


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

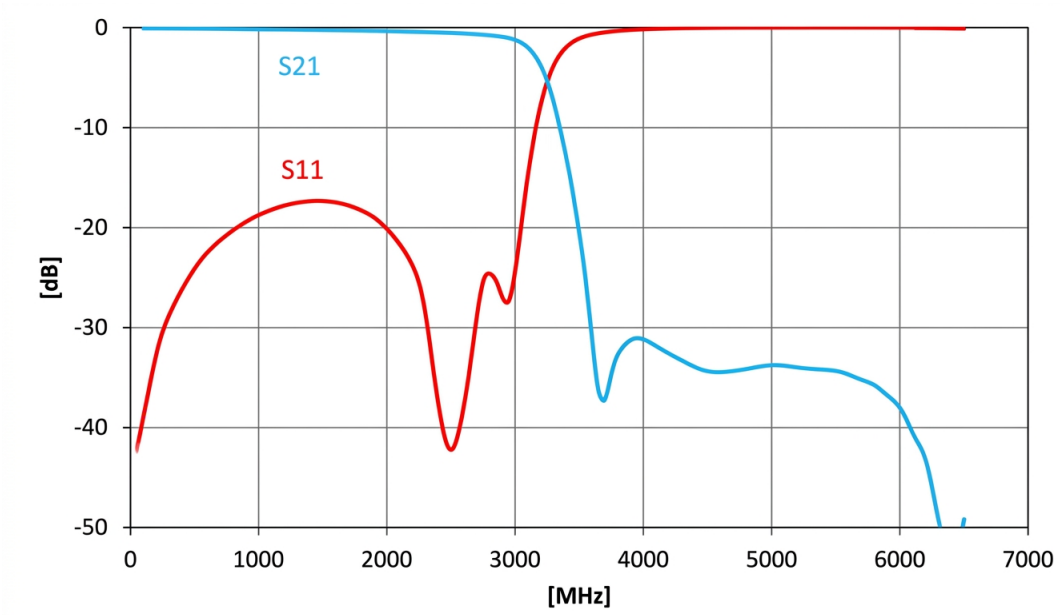
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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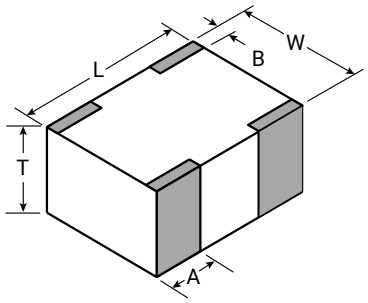
ELECTRICAL CHARACTERISTICS

LP0805H2900ASTR		
Description	**Value**	**Notes**
Fc	2900 MHz	
I. Loss @ 2600 MHz	-1 dB	Max.
R. Loss @ 2600 MHz	-20 dB	
Attenuation	-30 dB -30 dB -35 dB	@ 4060 MHz @ 5800 MHz @ 6500 MHz

TYPICAL ELECTRICAL PERFORMANCE

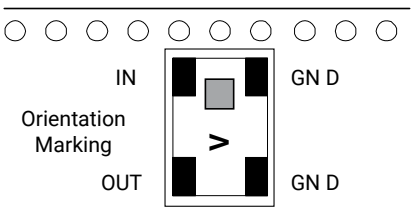


DIMENSIONS (TOP VIEW) – mm (INCHES)

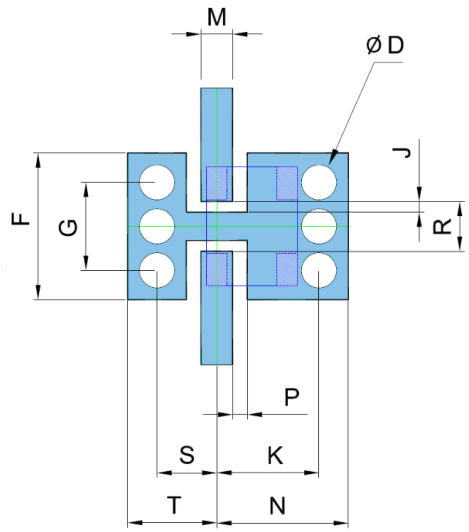


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

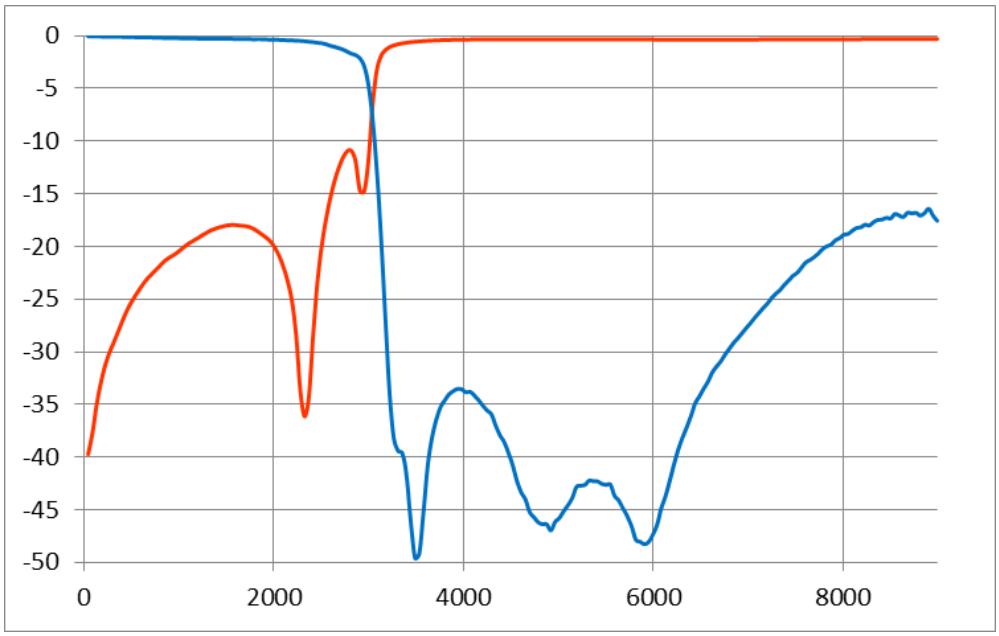
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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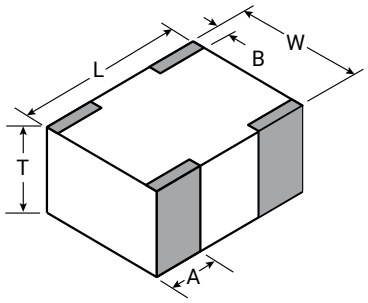
ELECTRICAL CHARACTERISTICS

LP0805H2902ASTR		
Description	**Value**	**Notes**
Fc	2902 MHz	
I. Loss @ 2902 MHz	-2.3 dB	
R. Loss @ 2902 MHz	-15 dB	
Attenuation	-30 dB	@ 3200-4200 MHz

TYPICAL ELECTRICAL PERFORMANCE

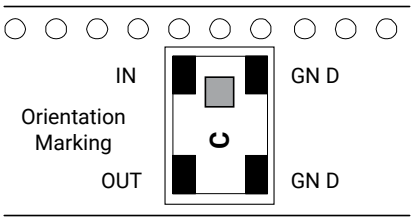


DIMENSIONS (TOP VIEW) – mm (INCHES)

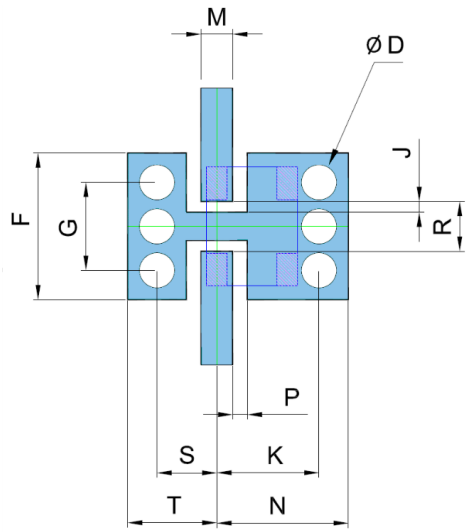


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

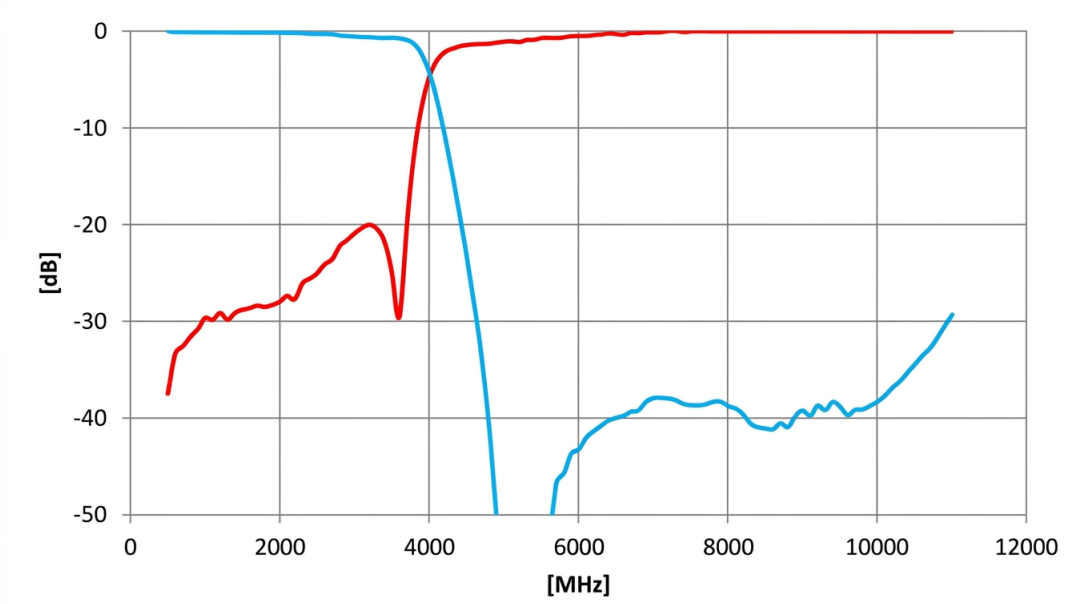
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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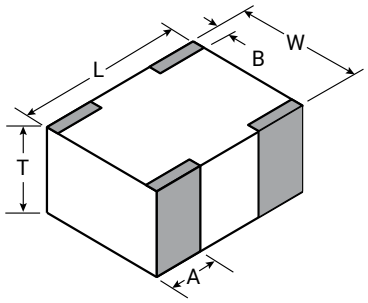
ELECTRICAL CHARACTERISTICS

LP0805H3500ASTR		
Description	**Value**	**Notes**
Fc	3500 MHz	
I. Loss @ 3500 MHz	-0.85 dB	Max.
R. Loss @ 3500 MHz	-20 dB	
Attenuation	-35 dB -30 dB -30 dB	@ 4900 MHz @ 7000 MHz @ 10500 MHz

TYPICAL ELECTRICAL PERFORMANCE

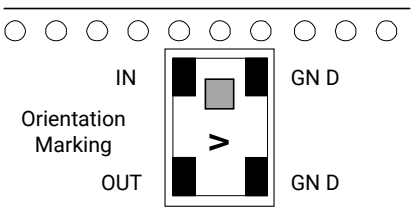


DIMENSIONS (TOP VIEW) – mm (INCHES)

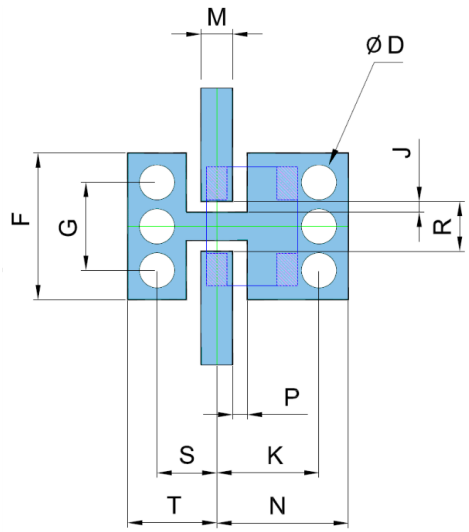


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

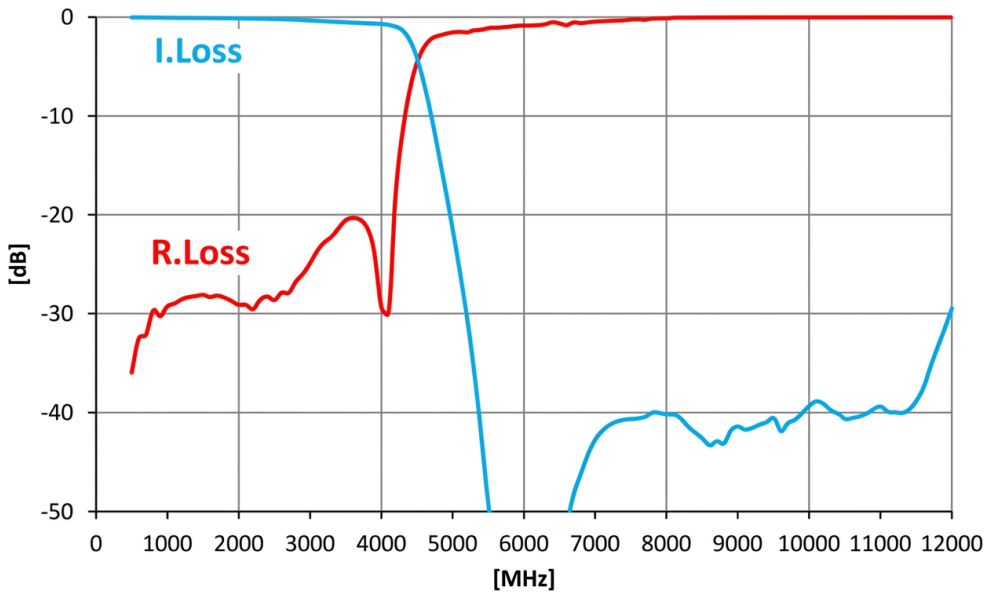
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** PCB: Taconic Orcer RF-35P

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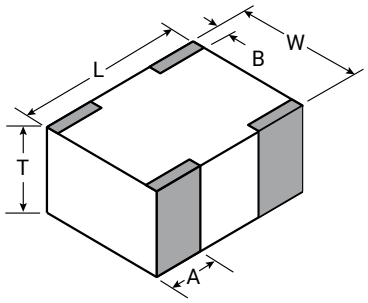
ELECTRICAL CHARACTERISTICS

LP0805H4000ASTR		
Description	**Value**	**Notes**
Fc	4000 MHz	
I. Loss @ 4000 MHz	-0.8 dB	Max.
R. Loss @ 4000 MHz	-20 dB	
Attenuation	-40 dB -35 dB -35 dB -25 dB	@ 5600 MHz @ 8000 MHz @ 10000 MHz @ 12000 MHz

TYPICAL ELECTRICAL PERFORMANCE

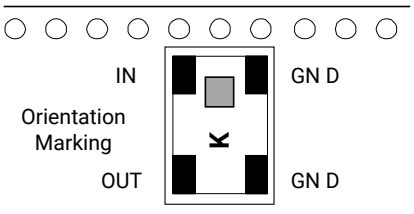


DIMENSIONS (TOP VIEW) – mm (INCHES)

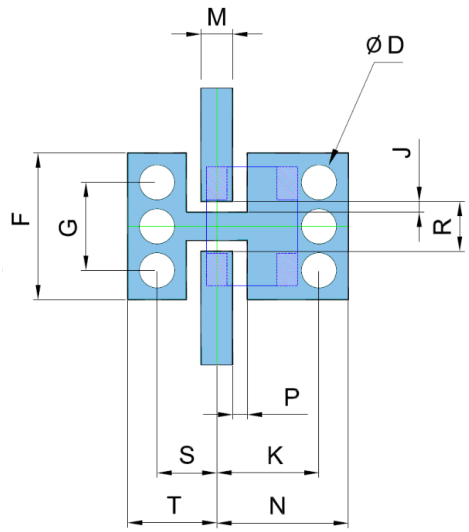


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

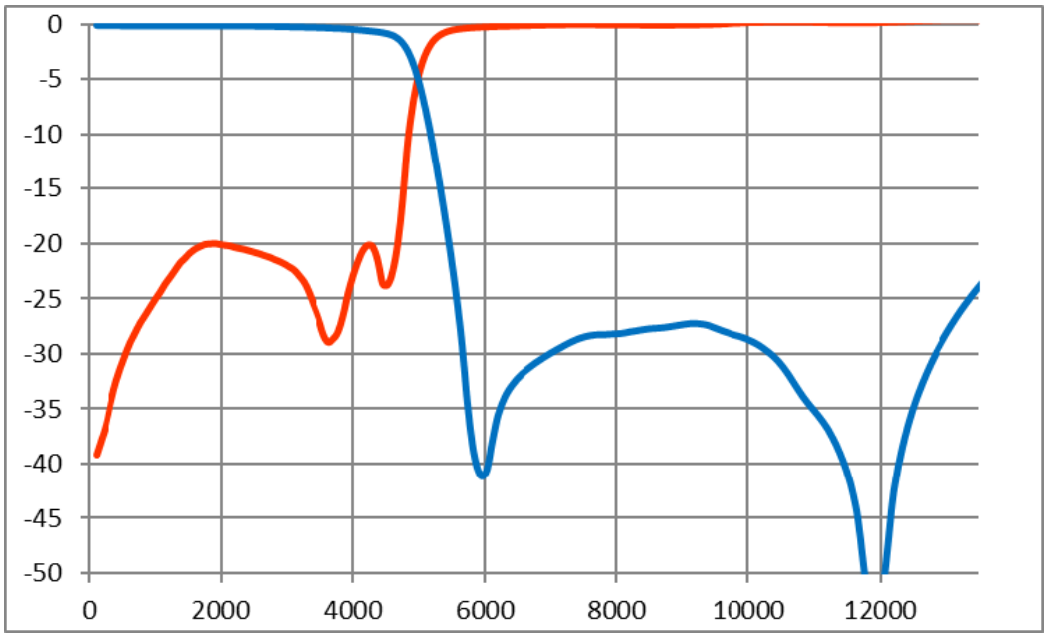
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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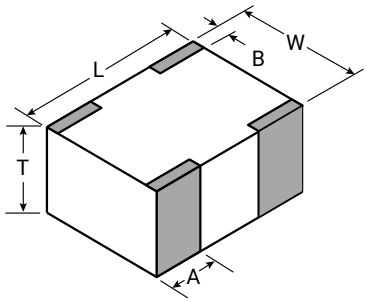
ELECTRICAL CHARACTERISTICS

LP0805H4200ASTR		
Description	**Value**	**Notes**
Fc	4200 MHz	
I. Loss @ 4200 MHz	-0.85 dB	
R. Loss @ 4200 MHz	-12 dB	
Attenuation	-25 dB -25 dB	@ 8400 MHz @ 12600 MHz

TYPICAL ELECTRICAL PERFORMANCE

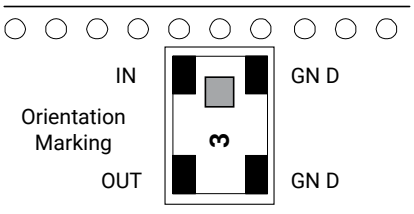


DIMENSIONS (TOP VIEW) – mm (INCHES)

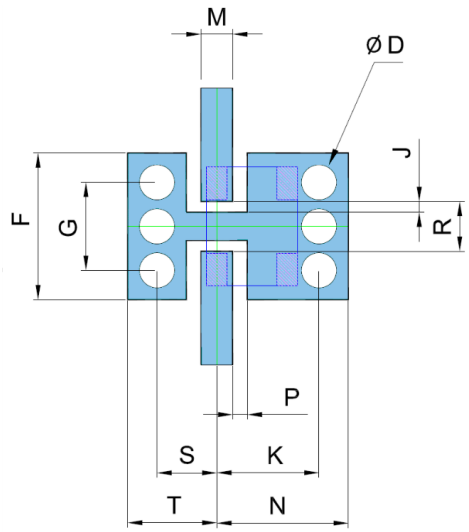


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
S	1.02±0.05 (0.040±0.002)
T	1.52±0.05 (0.060±0.002)
G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	ø0.6±0.05 (0.023±0.002)

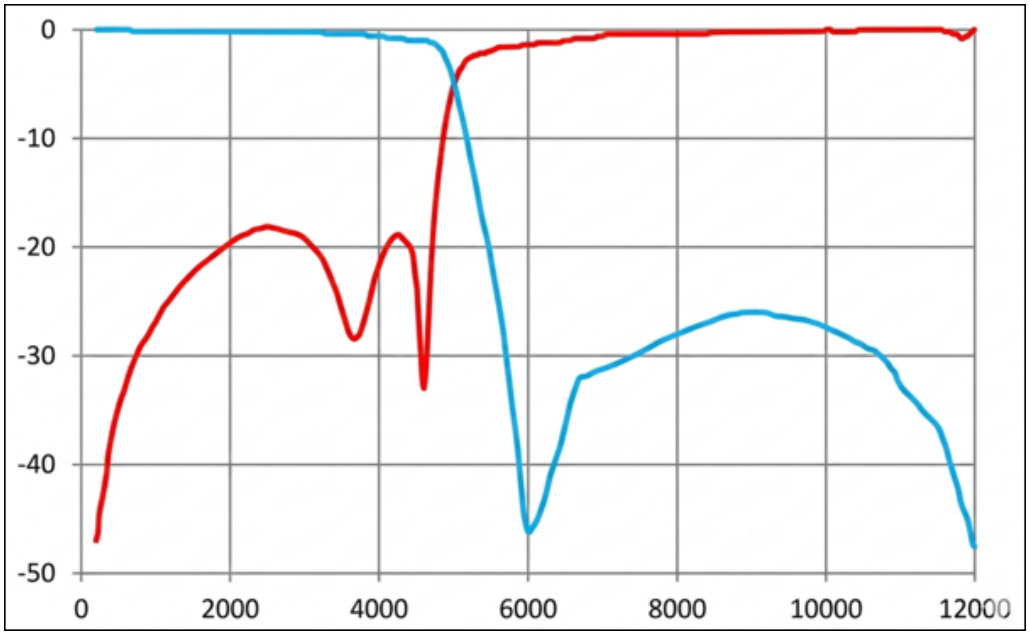
*The recommended distance to the PCB Ground Plane is 0.254mm (0.010")
** PCB: Taconic Orcer RF-35P

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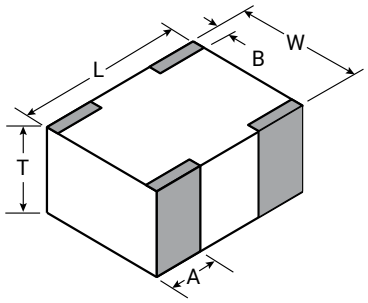
ELECTRICAL CHARACTERISTICS

LP0805H4400ASTR		
Description	**Value**	**Notes**
Fc	4400 MHz	
I. Loss @ 4400 MHz	-1.0 dB	
R. Loss @ 4400 MHz	-12 dB	
Attenuation	-25 dB	@ 6-12 GHz

TYPICAL ELECTRICAL PERFORMANCE

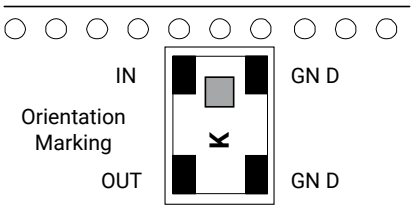


DIMENSIONS (TOP VIEW) – mm (INCHES)

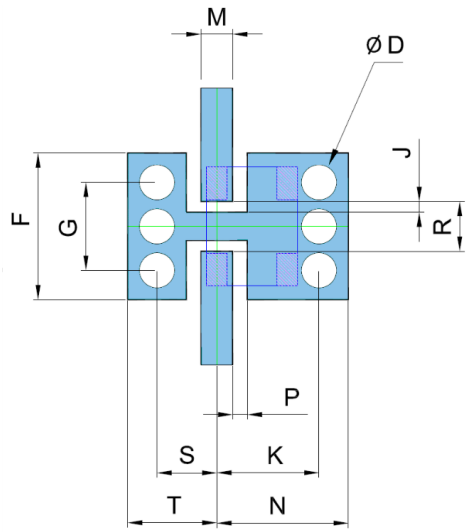


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.022±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)



RECOMMENDED PAD LAYOUT – mm (INCHES)



M	0.54±0.025 (0.021±0.0001)
J	0.19±0.05 (0.0075±0.002)
R	0.85±0.05 (0.033±0.002)
P	0.25±0.05 (0.096±0.002)
K	1.74±0.05 (0.068±0.002)
N	2.24±0.05 (0.088±0.002)
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G	1.5±0.05 (0.06±0.002)
F	2.5±0.05 (0.098±0.002)
øD	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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