Harmonic Low Pass Filters

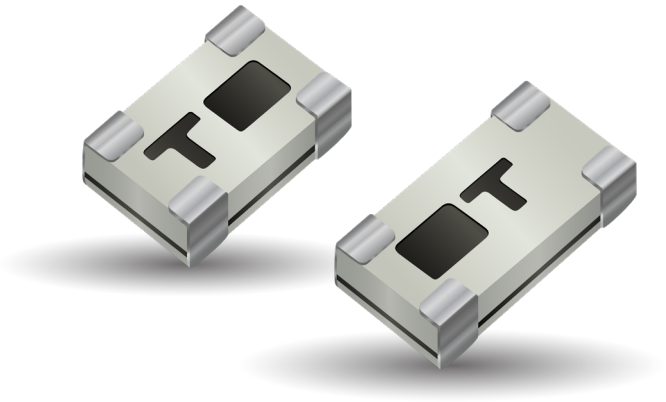
LP0805 Harmonic Low Pass 3W Filter

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Thin-Film RF/Microwave Filters

LP0805 Harmonic Low Pass 3W Filter

LP0805 General Information



ITF TECHNOLOGY

The ITF LGA Filter is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

The ITF Filter is offered in a variety of frequency bands compatible with various types of high frequency wireless systems.

FEATURES

- Small size: 0805
- Characteristic impedance: 50Ω
- Power Rating: 3W
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled

APPLICATIONS

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

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.

HOW TO ORDER

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

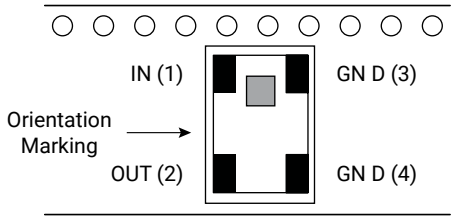
LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT

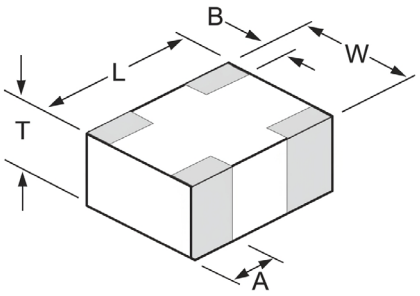
RoHS COMPLIANT

For RoHS compliant products, please select correct termination style.

TERMINALS (TOP VIEW), IN REEL



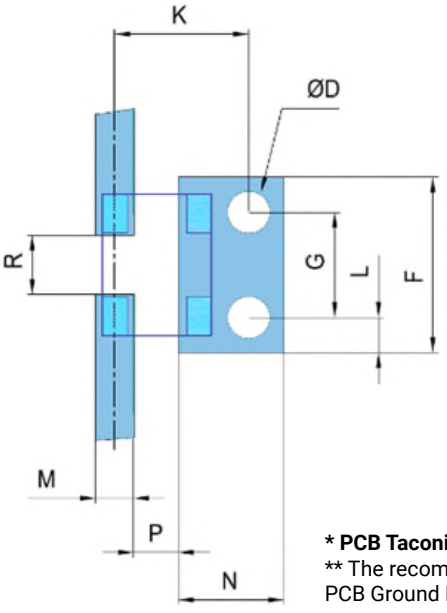
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
øD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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ELECTRICAL SPECIFICATION

Part Number	Fc [MHz]	I. Loss [dB]	R. Loss [dB]	Rejection [dB]	Rejection [dB]
LP0805A0836ASTR	836	-0.4	-12	-30 @ 1672 MHz	-20 @ 2508 MHz
LP0805A0881ASTR	881	-0.4	-12	-30 @ 1762 MHz	-20 @ 2643 MHz
LP0805A0897ASTR	897	-0.4	-12	-30 @ 1794 MHz	-20 @ 2691 MHz
LP0805A0902ASTR	902	-0.4	-12	-30 @ 1804 MHz	-20 @ 2706 MHz
LP0805A0942ASTR	942	-0.4	-12	-30 @ 1884 MHz	-20 @ 2826 MHz
LP0805A0947ASTR	947	-0.4	-12	-30 @ 1894 MHz	-20 @ 2841 MHz
LP0805A0967ASTR	967	-0.4	-12	-30 @ 1934 MHz	-20 @ 2901 MHz
LP0805A1119ASTR	1119	-0.4	-12	-30 @ 2238 MHz	-20 @ 3357 MHz
LP0805A1747ASTR	1747	-0.4	-12	-30 @ 3494 MHz	-20 @ 5241 MHz
LP0805A1750ASTR	1750	-0.4	-12	-30 @ 3500 MHz	-20 @ 5250 MHz
LP0805A1842ASTR	1842	-0.4	-12	-30 @ 3684 MHz	-20 @ 5526 MHz
LP0805A1880ASTR	1880	-0.4	-12	-30 @ 3760 MHz	-20 @ 5640 MHz
LP0805A1890ASTR	1890	-0.4	-12	-30 @ 3780 MHz	-20 @ 5670 MHz
LP0805A1907ASTR	1907	-0.4	-12	-30 @ 3814 MHz	-20 @ 5721 MHz
LP0805A1950ASTR	1950	-0.4	-15	-30 @ 3900 MHz	-20 @ 5850 MHz
LP0805A1960ASTR	1960	-0.4	-12	-30 @ 3920 MHz	-20 @ 5880 MHz
LP0805A2140ASTR	2140	-0.4	-15	-25 @ 4280 MHz	-20 @ 6420 MHz
LP0805A2150ASTR	2150	-0.4	-12	-30 @ 4300 MHz	-20 @ 6450 MHz
LP0805A2300ASTR	2300	-0.4	-15	-30 @ 4600 MHz	-20 @ 6900 MHz
LP0805A2350ASTR	2350	-0.4	-25	-30 @ 4700 MHz	-20 @ 7050 MHz
LP0805A2442ASTR	2442	-0.4	-12	-30 @ 4884 MHz	-22 @ 7326 MHz
LP0805A2590ASTR	2590	-0.45	-25	-30 @ 5180 MHz	-18 @ 7770 MHz
LP0805A2600ASTR	2600	-0.45	-15	-30 @ 5200 MHz	-20 @ 7800 MHz
LP0805A2700ASTR	2700	-0.4	-25	-30 @ 5400 MHz	-18 @ 8100 MHz
LP0805A2750ASTR	2750	-0.4	-25	-30 @ 5500 MHz	-18 @ 8250 MHz
LP0805A3300ASTR	3300	-0.4	-15	-25 @ 6600 MHz	-25 @ 9900 MHz
LP0805A3500ASTR	3500	-0.4	-15	-30 @ 7000 MHz	-20 @ 10500 MHz

Click part number to see full specifications

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Thin-Film RF/Microwave Filters

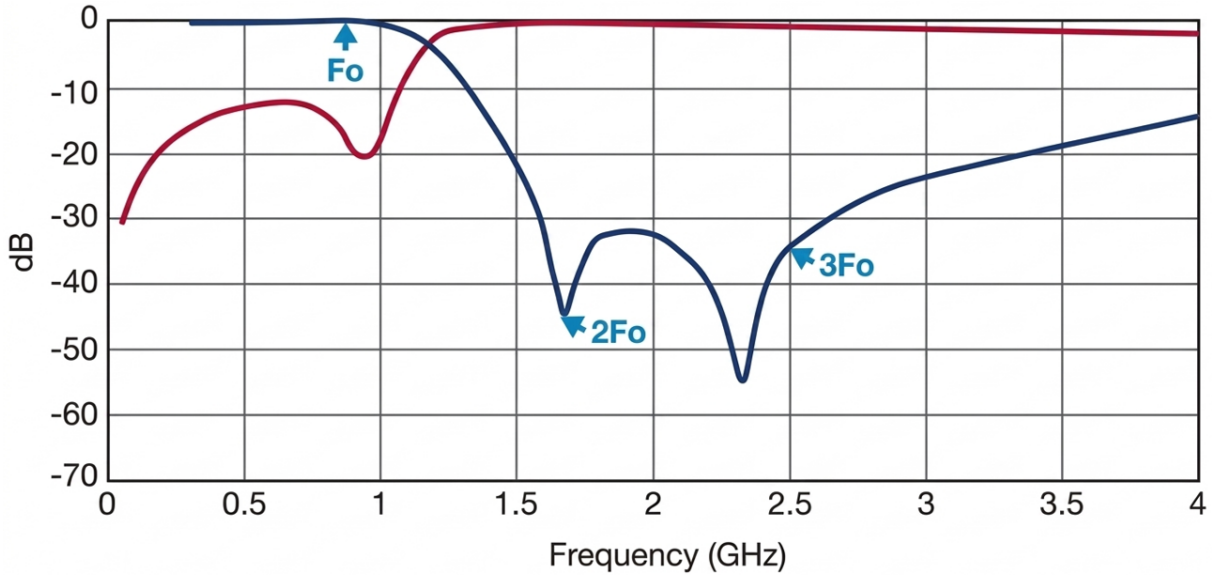
LP0805 Harmonic Low Pass 3W Filter

LP0805A0836ASTR

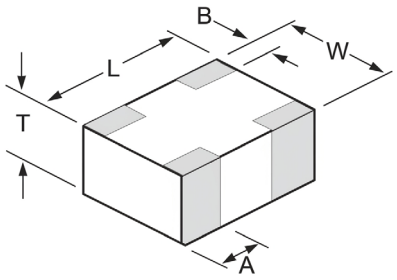
ELECTRICAL CHARACTERISTICS

LP0805A0836ASTR	
Description	**Value**
Fc	836 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	2d Harmonic 1554-1574 MHz: -30 dB 3d Harmonic 2331-2361 MHz: -30 dB

TYPICAL ELECTRICAL PERFORMANCE

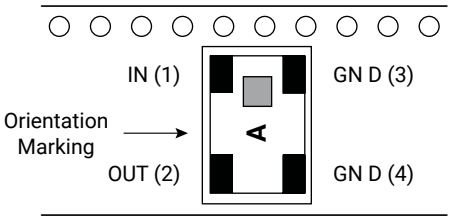


DIMENSIONS (TOP VIEW)

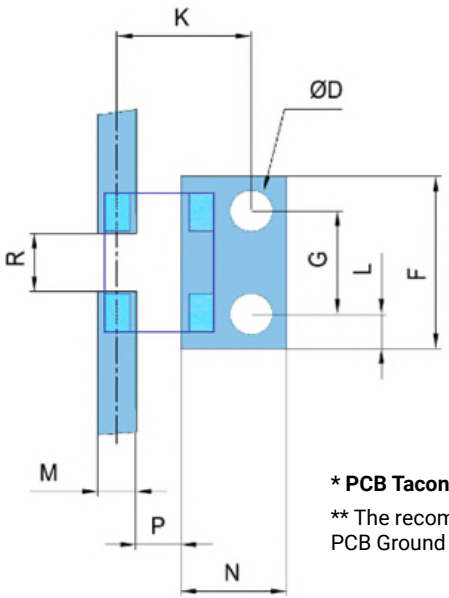


mm (inches)	
L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)	
M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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Thin-Film RF/Microwave Filters

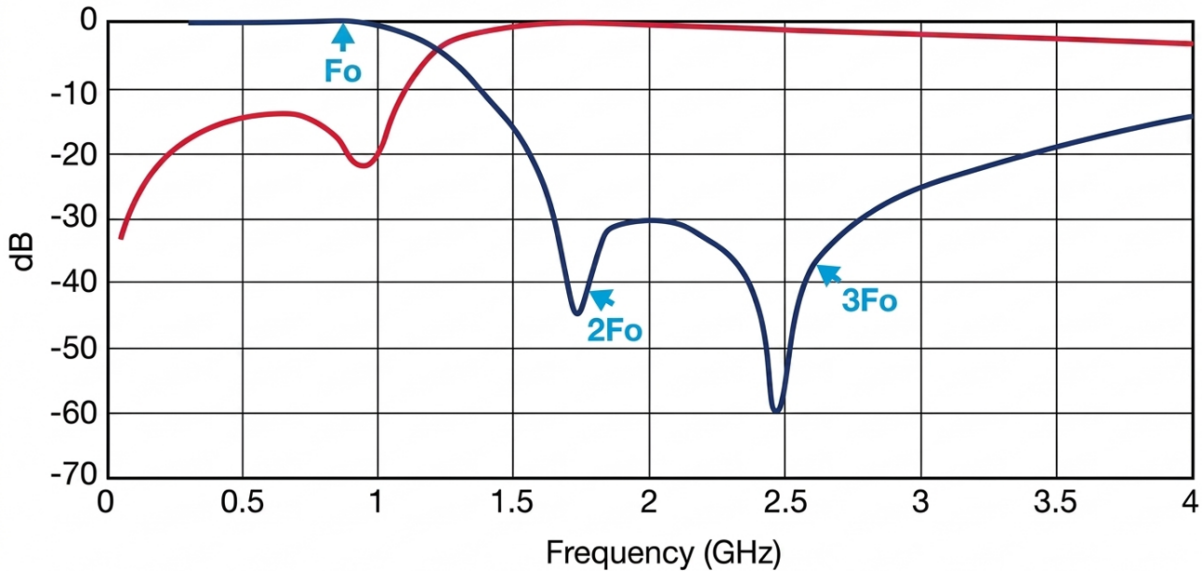
LP0805 Harmonic Low Pass 3W Filter

LP0805A0881ASTR

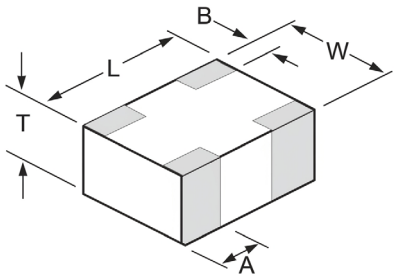
ELECTRICAL CHARACTERISTICS

LP0805A0881ASTR	
Description	**Value**
Fc	881 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE

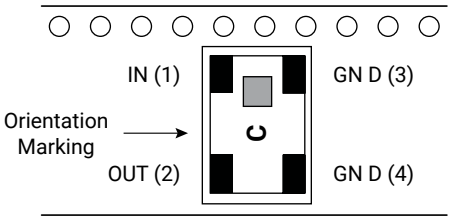


DIMENSIONS (TOP VIEW)

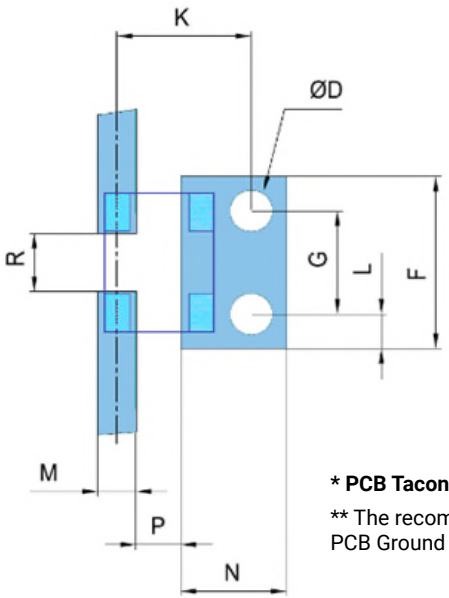


mm (inches)	
L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)	
M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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Thin-Film RF/Microwave Filters

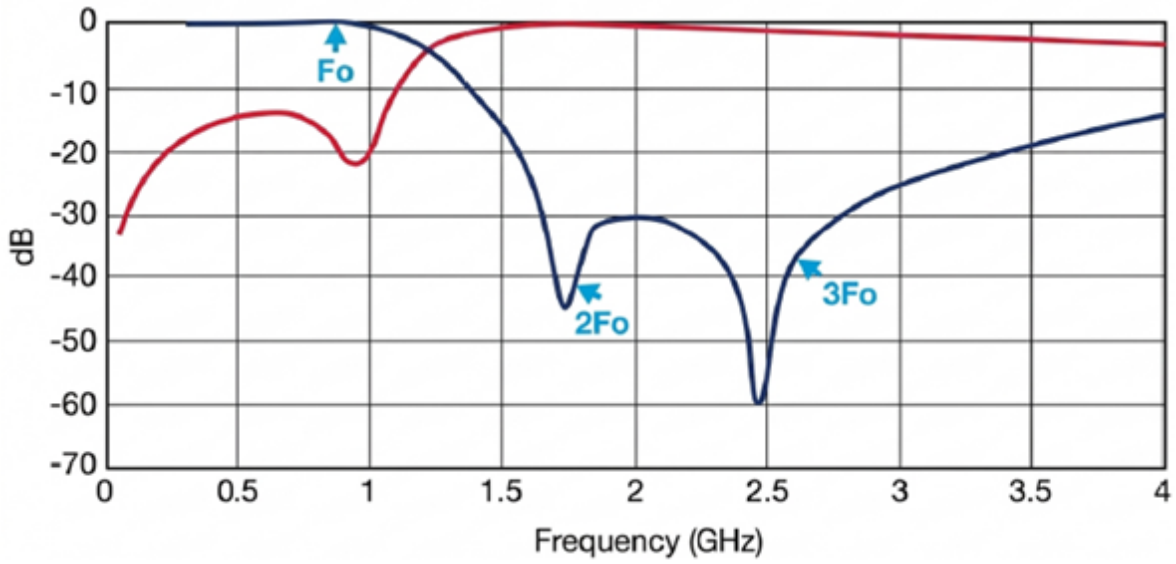
LP0805 Harmonic Low Pass 3W Filter

LP0805A0897ASTR

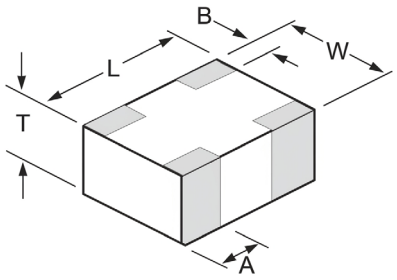
ELECTRICAL CHARACTERISTICS

LP0805A0897ASTR	
Description	**Value**
Fc	897 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



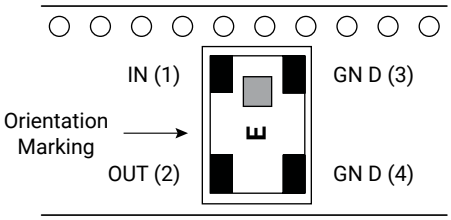
DIMENSIONS (TOP VIEW)



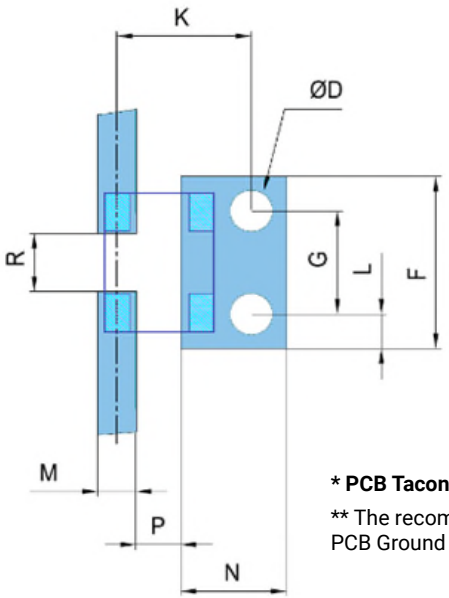
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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Thin-Film RF/Microwave Filters

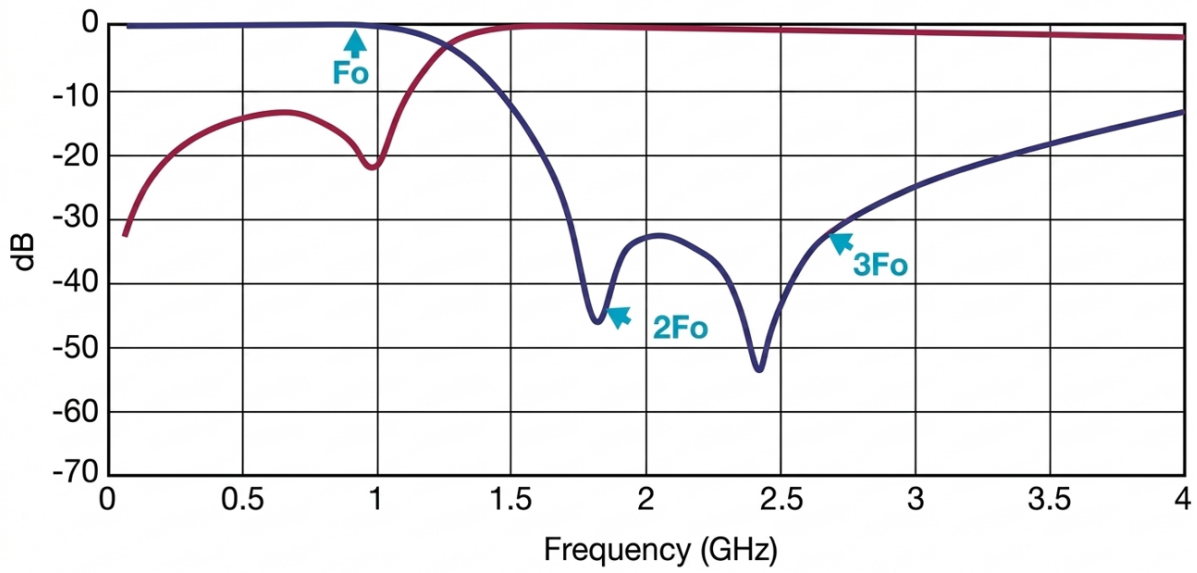
LP0805 Harmonic Low Pass 3W Filter

LP0805A0902ASTR

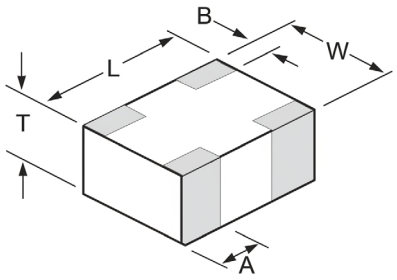
ELECTRICAL CHARACTERISTICS

LP0805A0902ASTR	
Description	**Value**
Fc	902 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE

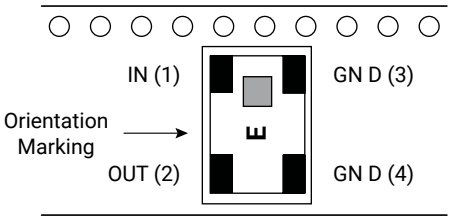


DIMENSIONS (TOP VIEW)

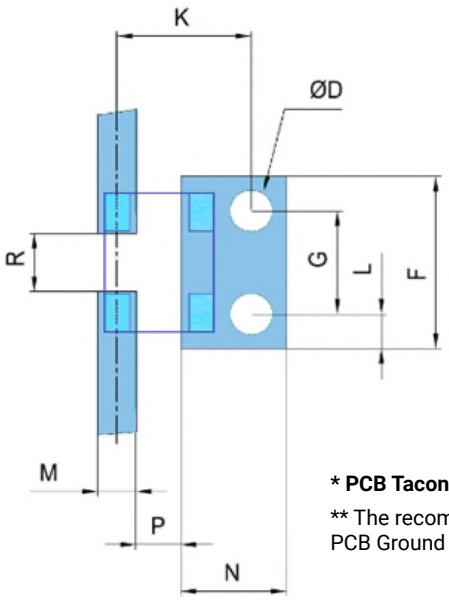


mm (inches)	
L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)	
M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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Thin-Film RF/Microwave Filters

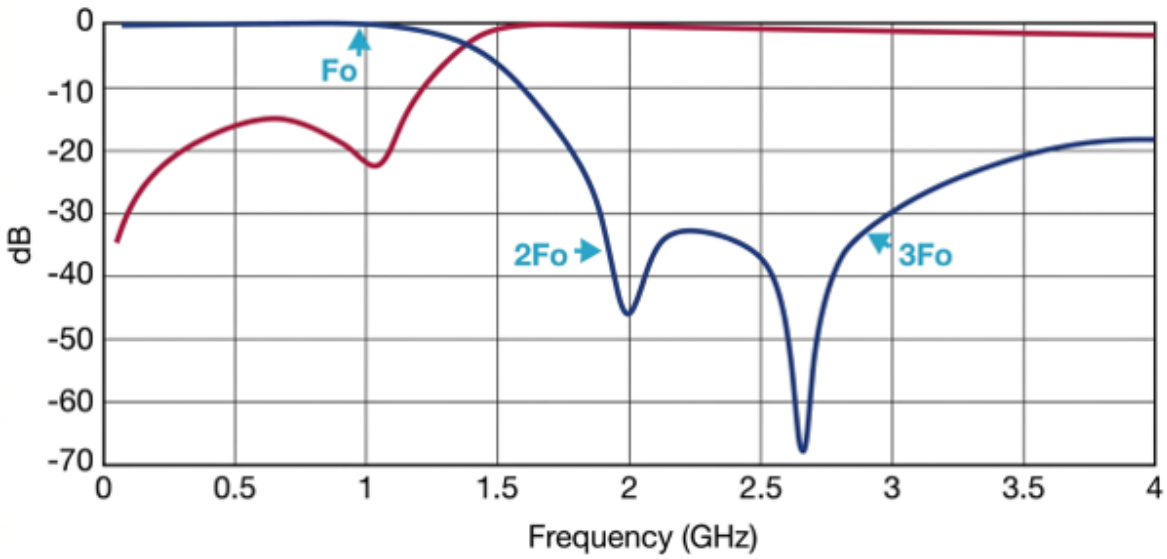
LP0805 Harmonic Low Pass 3W Filter

LP0805A0942ASTR

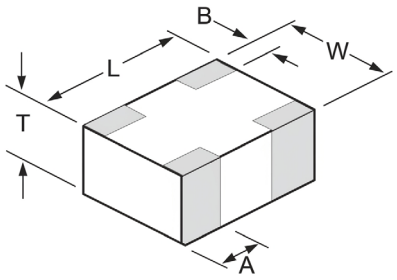
ELECTRICAL CHARACTERISTICS

LP0805A0942ASTR	
Description	**Value**
Fc	942 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



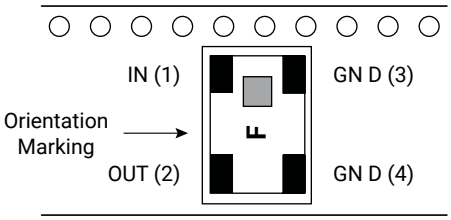
DIMENSIONS (TOP VIEW)



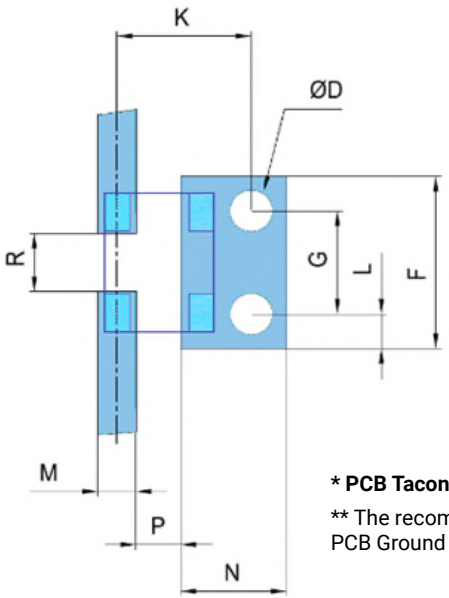
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
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ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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Thin-Film RF/Microwave Filters

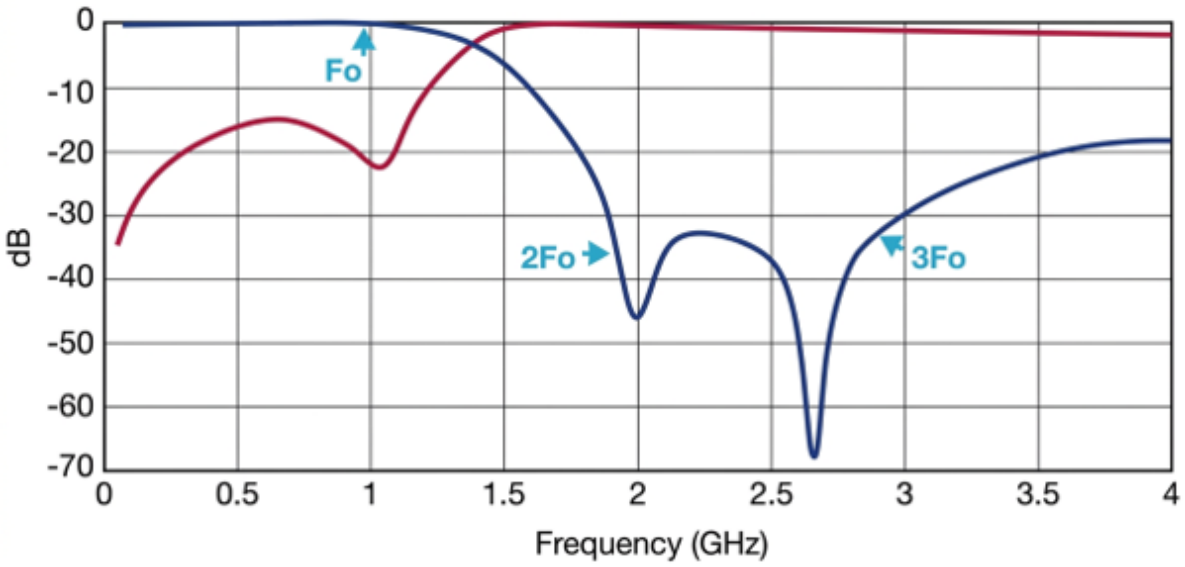
LP0805 Harmonic Low Pass 3W Filter

LP0805A0947ASTR

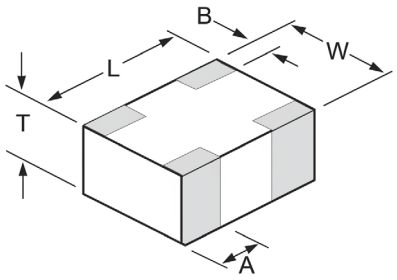
ELECTRICAL CHARACTERISTICS

LP0805A0947ASTR	
Description	**Value**
Fc	947 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



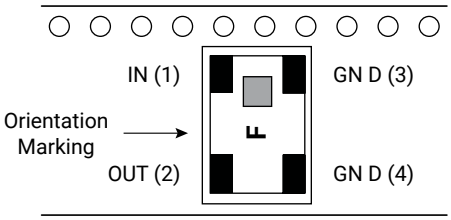
DIMENSIONS (TOP VIEW)



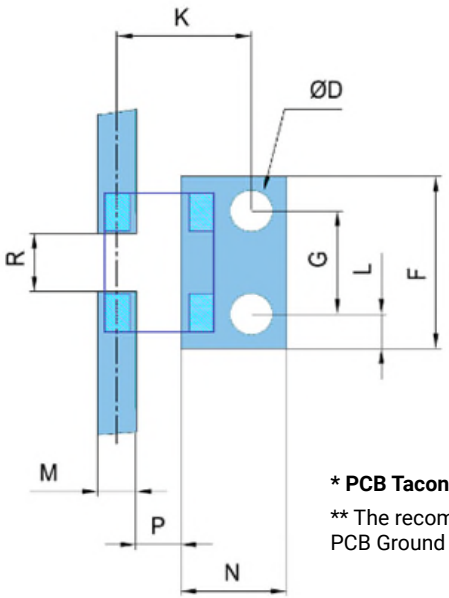
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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Thin-Film RF/Microwave Filters

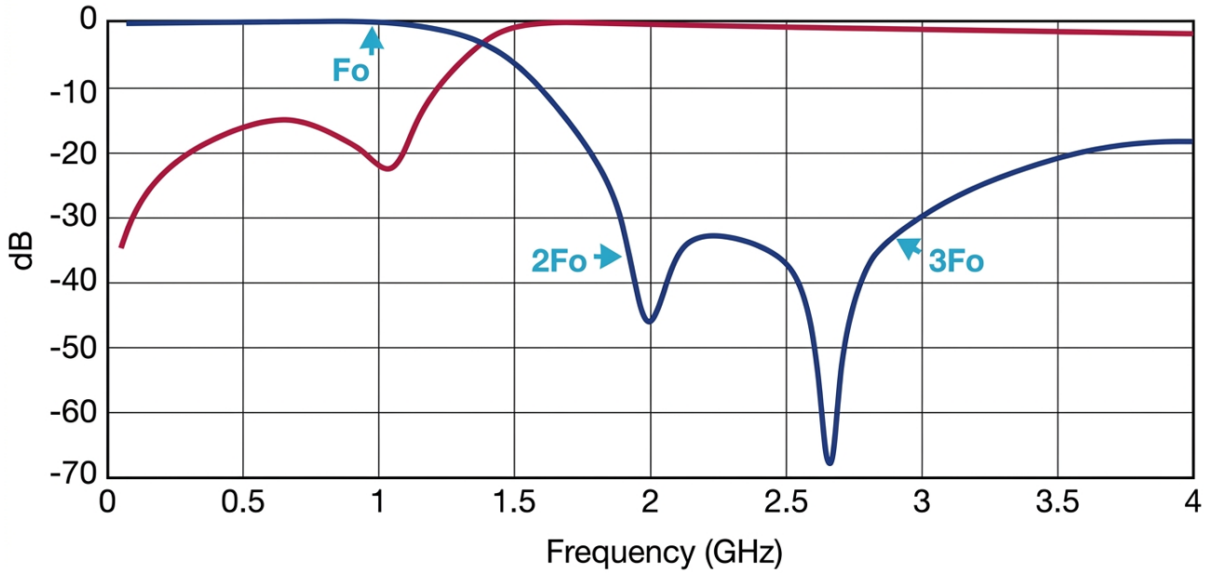
LP0805 Harmonic Low Pass 3W Filter

LP0805A0967ASTR

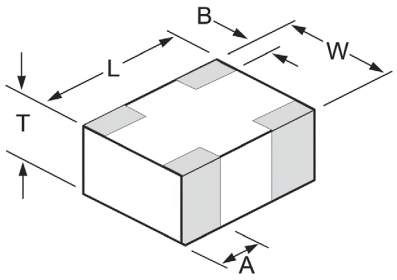
ELECTRICAL CHARACTERISTICS

LP0805A0967ASTR	
Description	**Value**
Fc	967 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



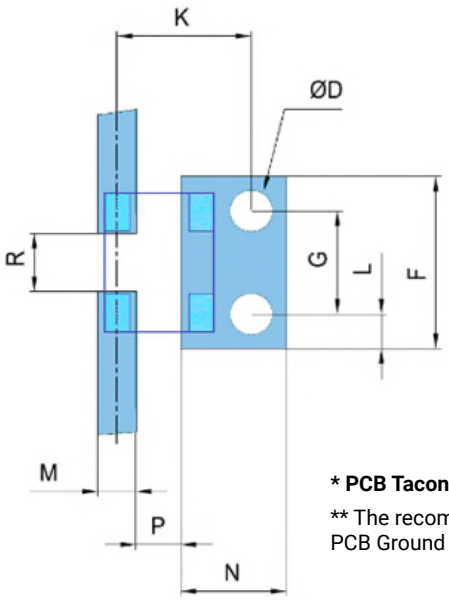
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



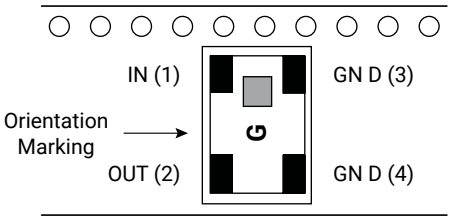
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

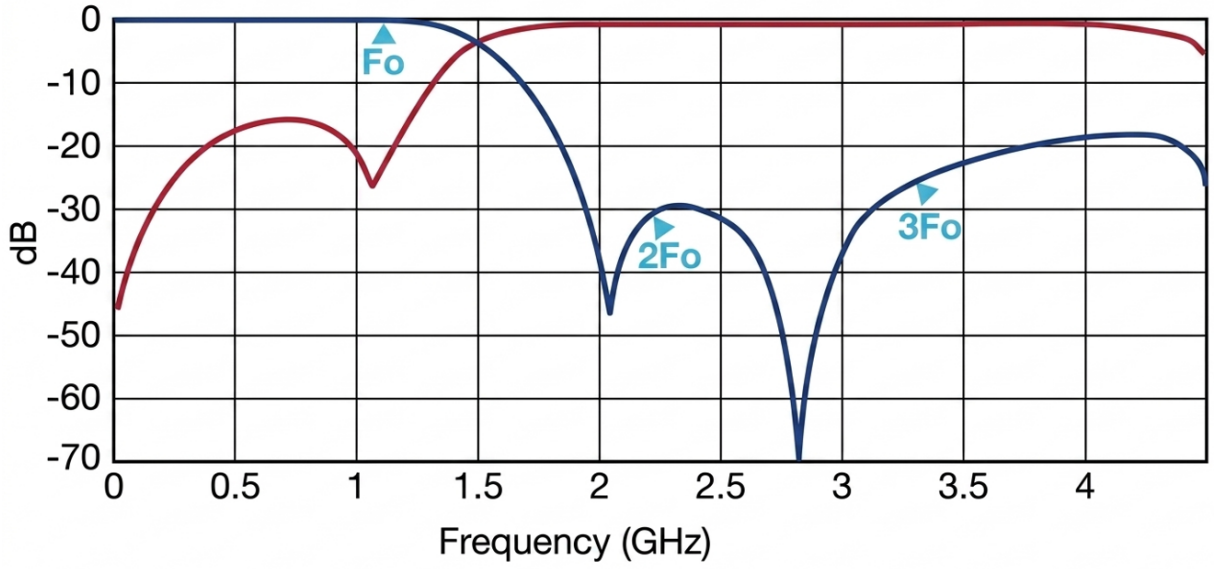
LP0805 Harmonic Low Pass 3W Filter

LP0805A1119ASTR

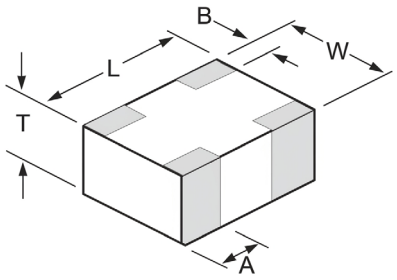
ELECTRICAL CHARACTERISTICS

LP0805A1119ASTR	
Description	**Value**
Fc	1119 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE

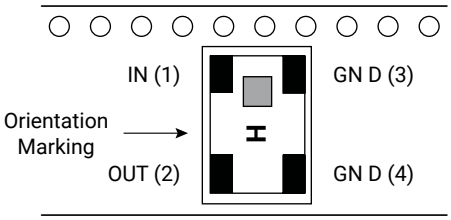


DIMENSIONS (TOP VIEW)

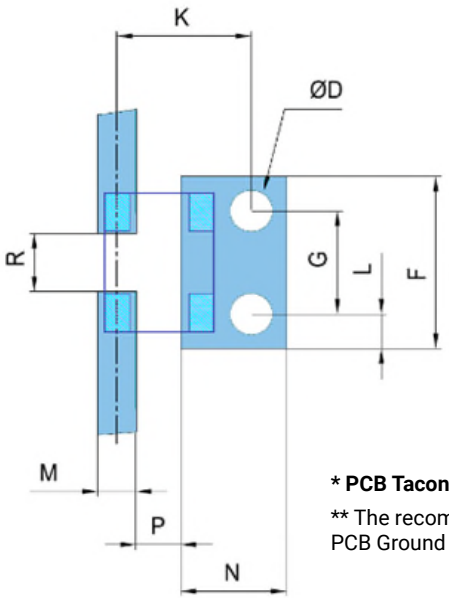


mm (inches)	
L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)	
M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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Thin-Film RF/Microwave Filters

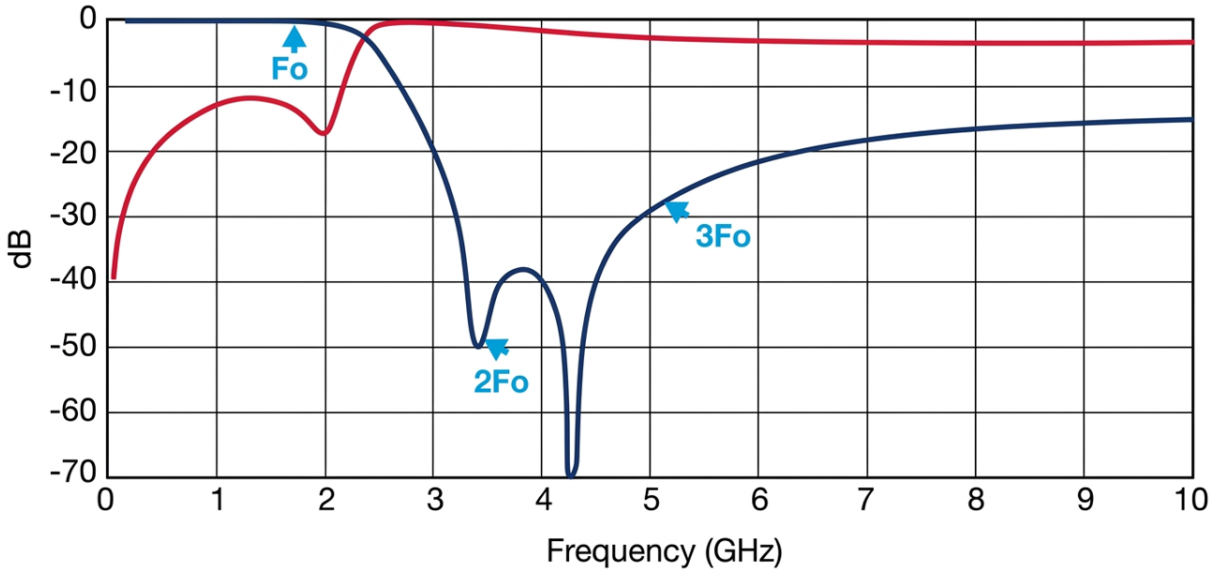
LP0805 Harmonic Low Pass 3W Filter

LP0805A1747ASTR

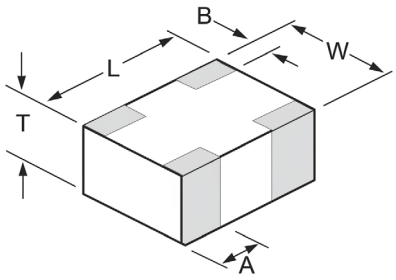
ELECTRICAL CHARACTERISTICS

LP0805A1747ASTR	
Description	**Value**
Fc	1747 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



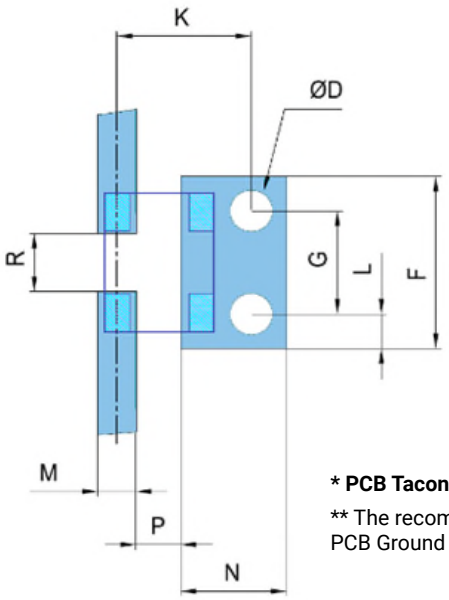
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



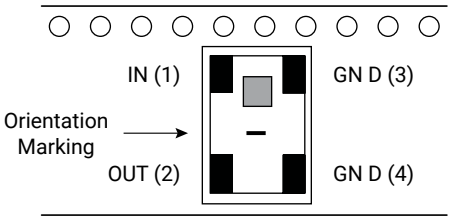
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

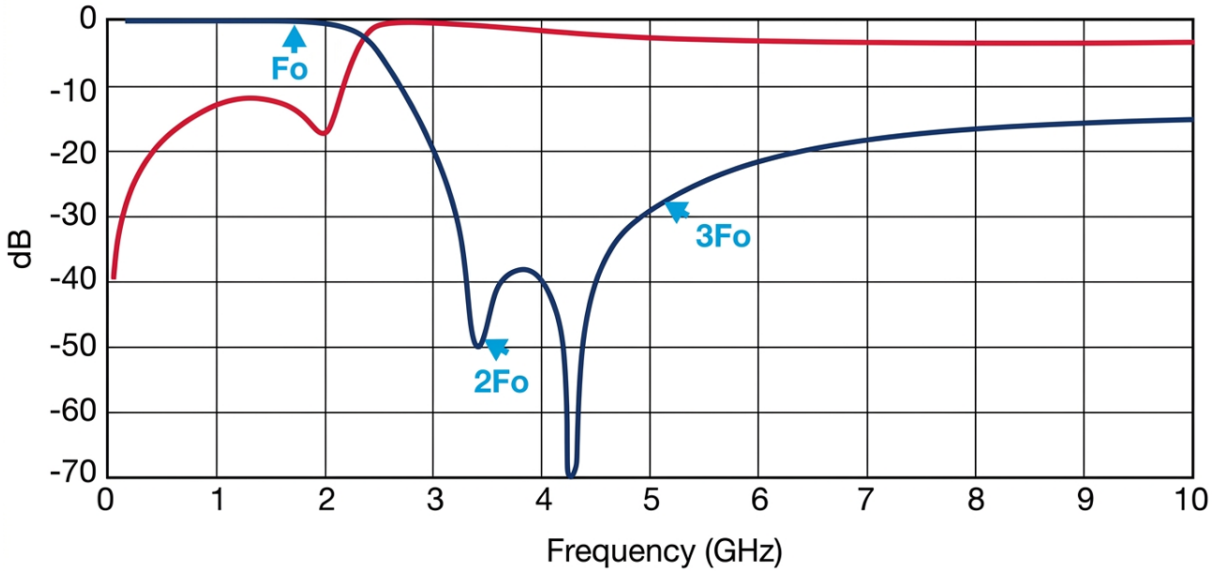
LP0805 Harmonic Low Pass 3W Filter

LP0805A1750ASTR

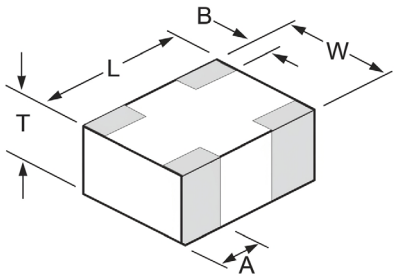
ELECTRICAL CHARACTERISTICS

LP0805A1750ASTR	
Description	**Value**
Fc	1750 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



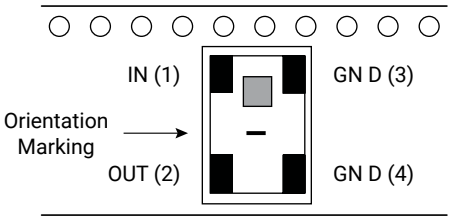
DIMENSIONS (TOP VIEW)



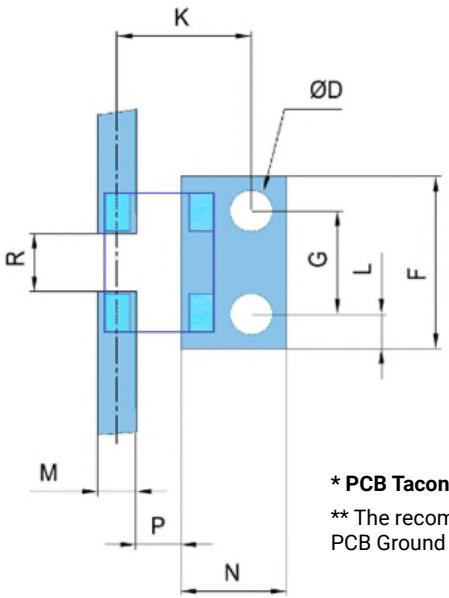
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

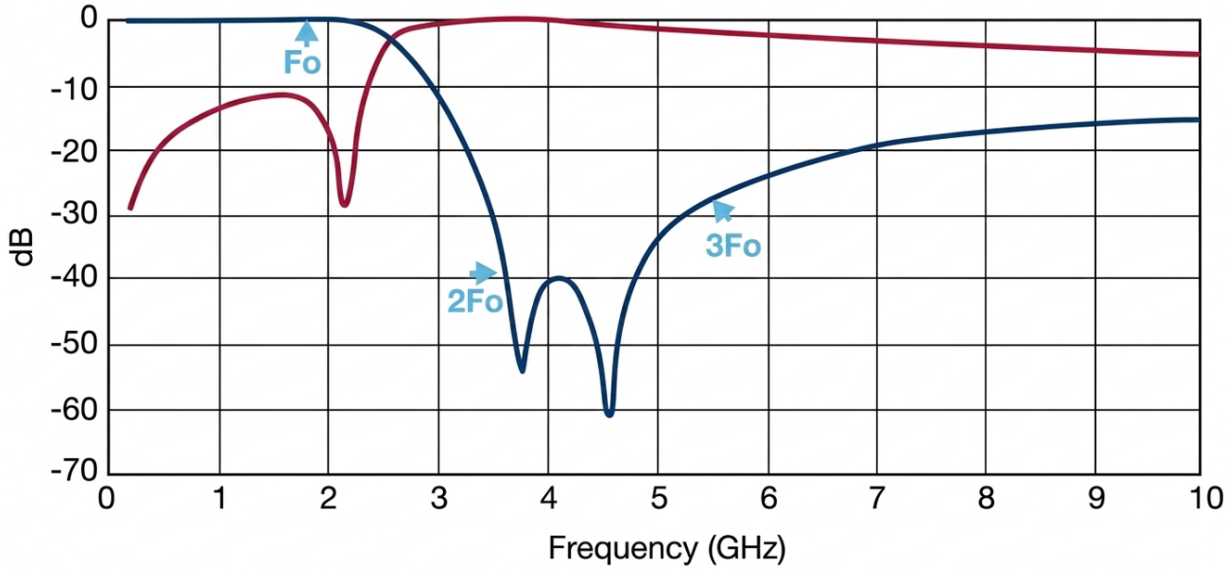
** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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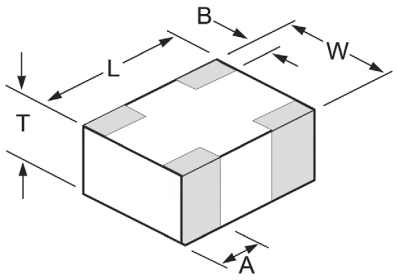
ELECTRICAL CHARACTERISTICS

LP0805A0953ASTR	
Description	**Value**
Fc	1842 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



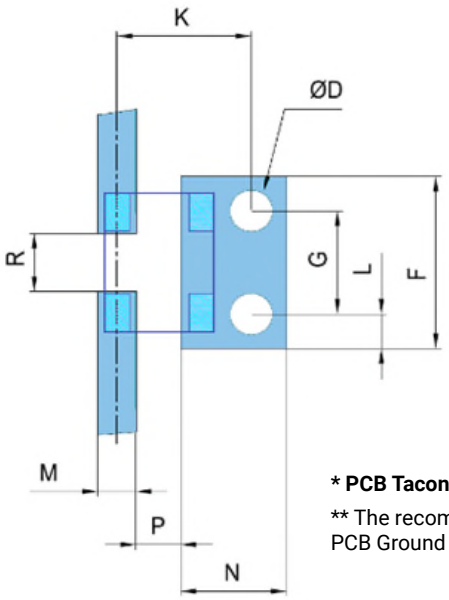
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



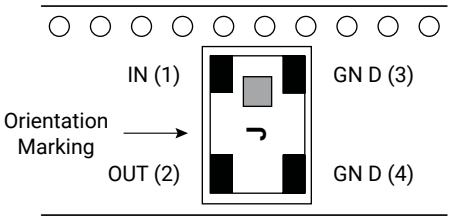
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

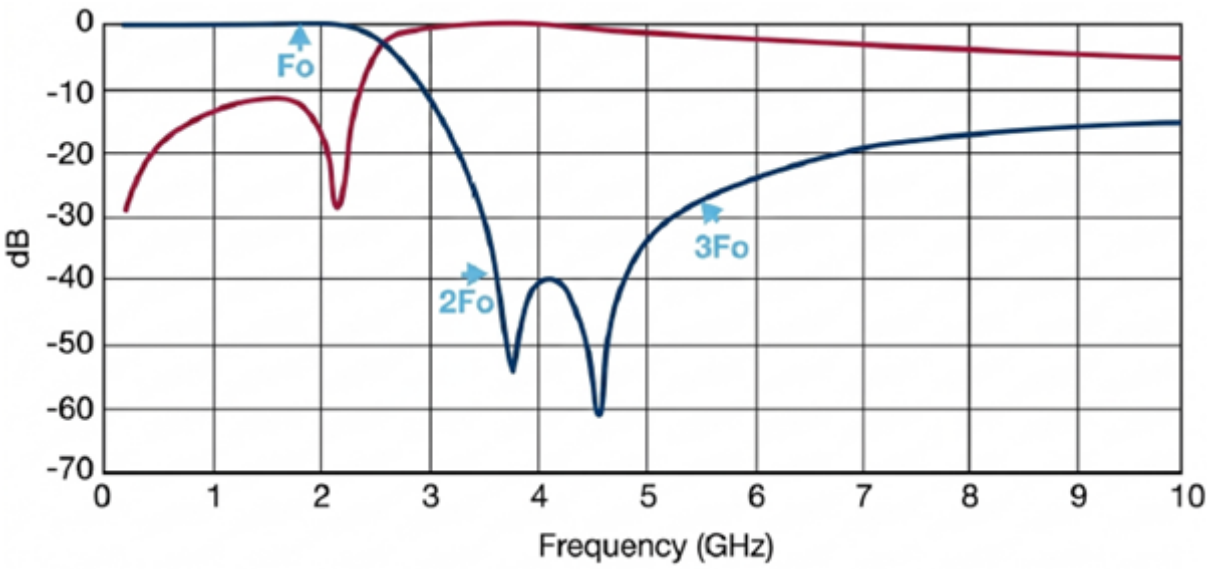
LP0805 Harmonic Low Pass 3W Filter

LP0805A1880ASTR

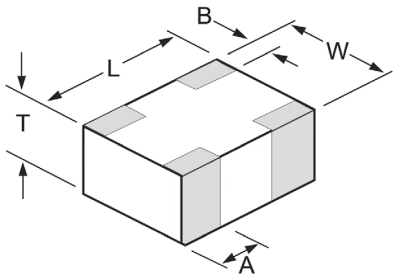
ELECTRICAL CHARACTERISTICS

LP0805A1880ASTR	
Description	**Value**
Fc	1880 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



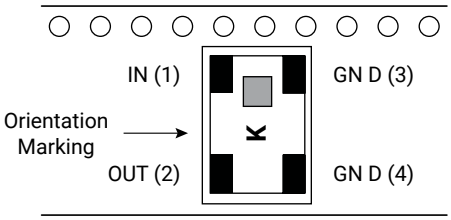
DIMENSIONS (TOP VIEW)



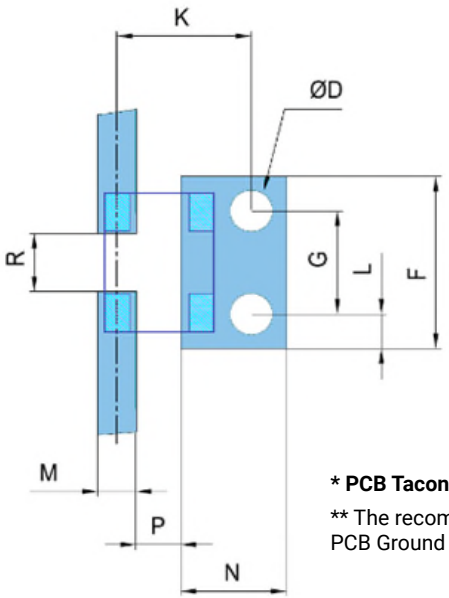
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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Thin-Film RF/Microwave Filters

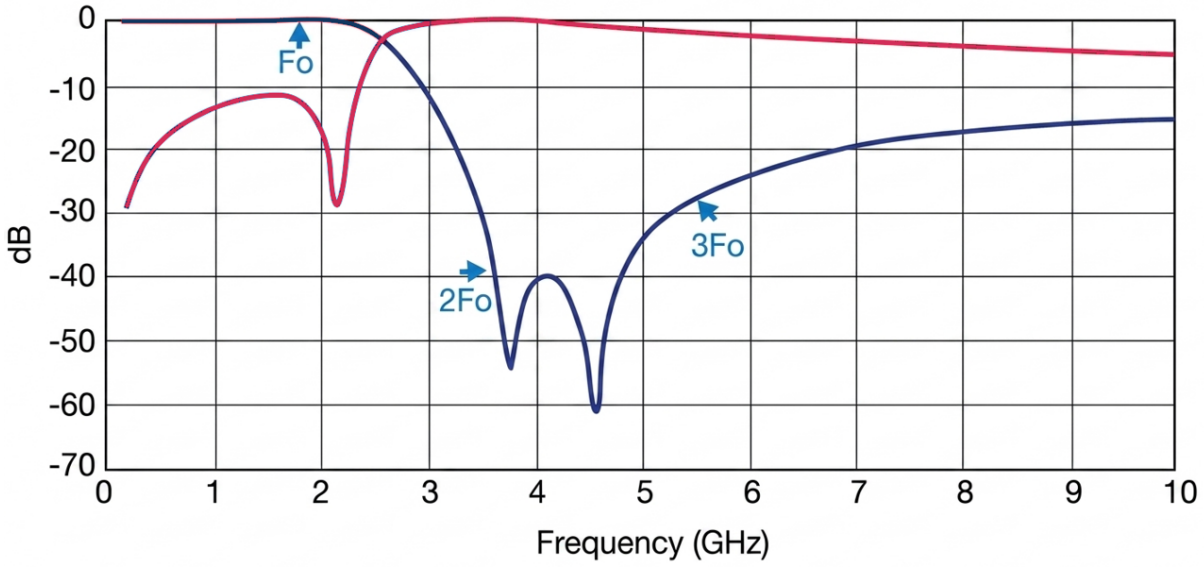
LP0805 Harmonic Low Pass 3W Filter

LP0805A1890ASTR

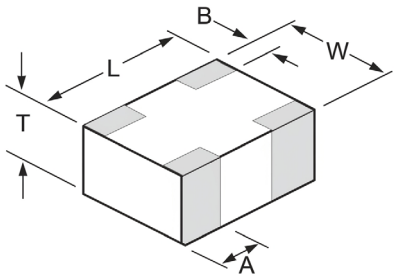
ELECTRICAL CHARACTERISTICS

LP0805A1890ASTR	
Description	**Value**
Fc	1890 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



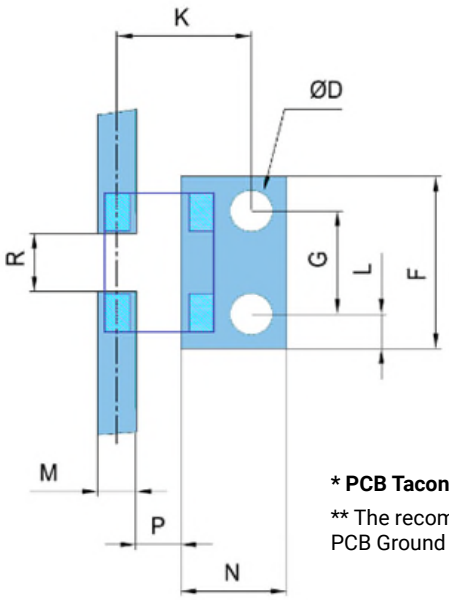
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



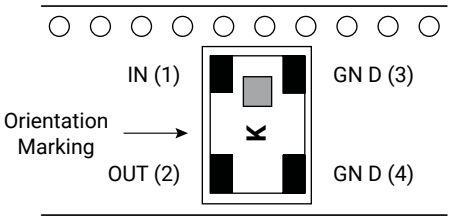
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

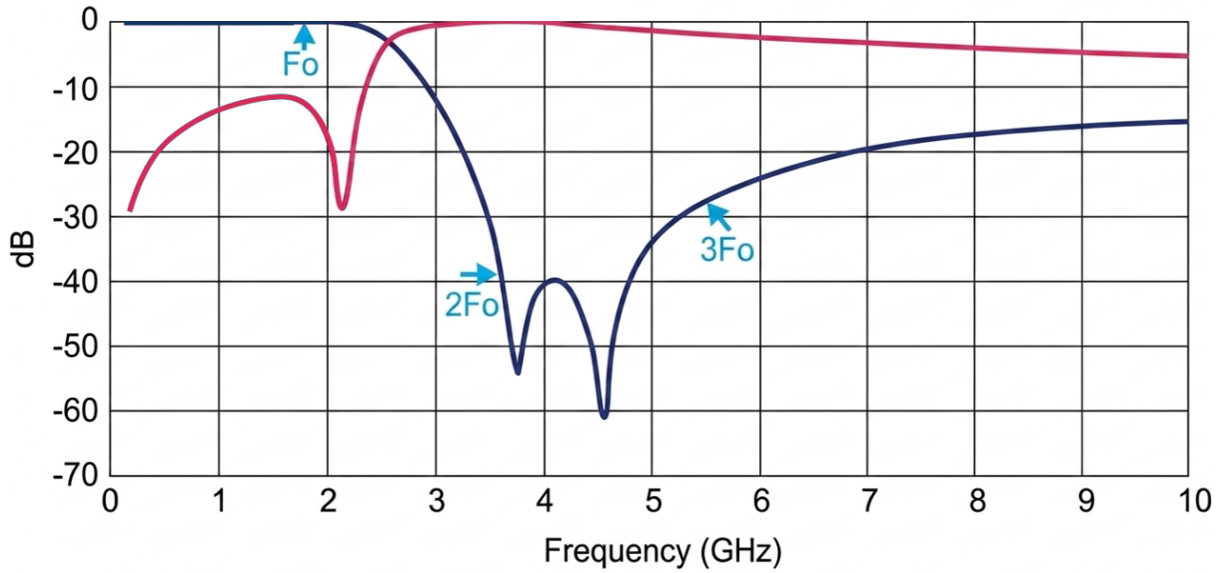
LP0805 Harmonic Low Pass 3W Filter

LP0805A1907ASTR

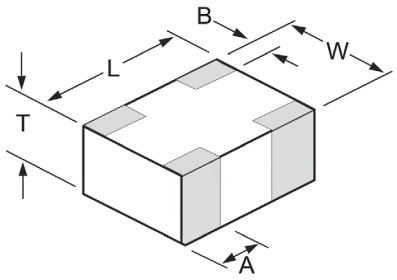
ELECTRICAL CHARACTERISTICS

LP0805A1907ASTR	
Description	**Value**
Fc	1907 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE

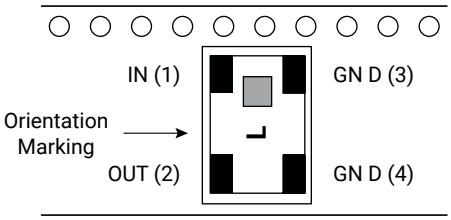


DIMENSIONS (TOP VIEW)

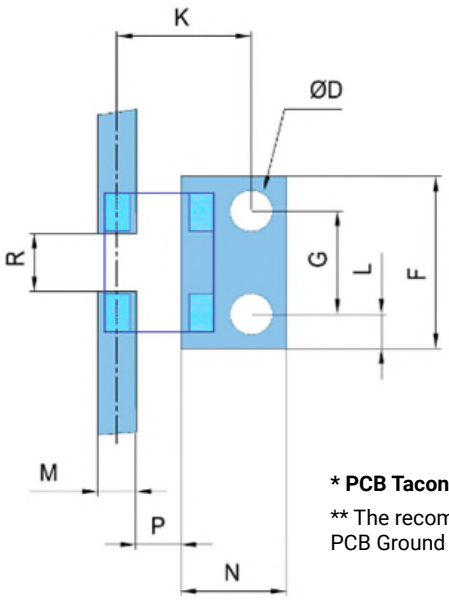


mm (inches)	
L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)	
M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

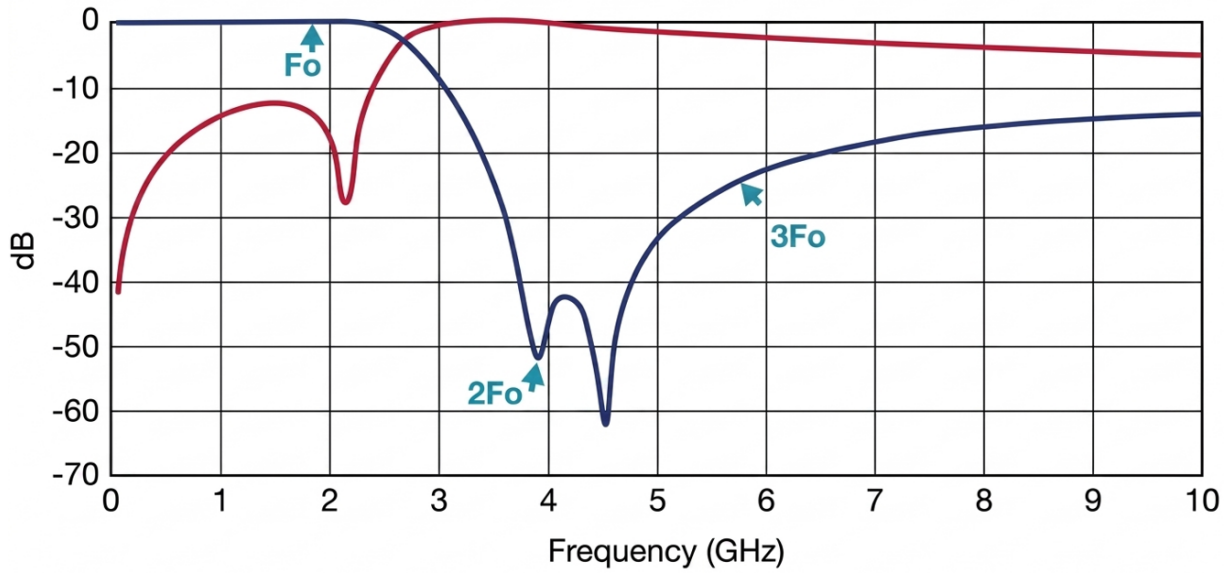
** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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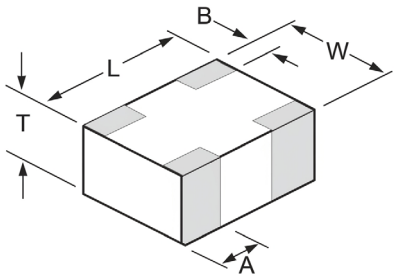
ELECTRICAL CHARACTERISTICS

LP0805A1950ASTR	
Description	**Value**
Fc	1950 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-15 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE

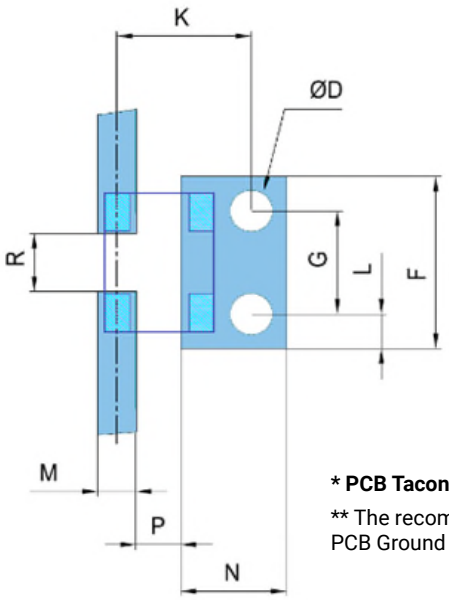


DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT

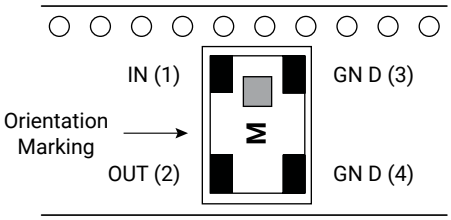


mm (inches)	
M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

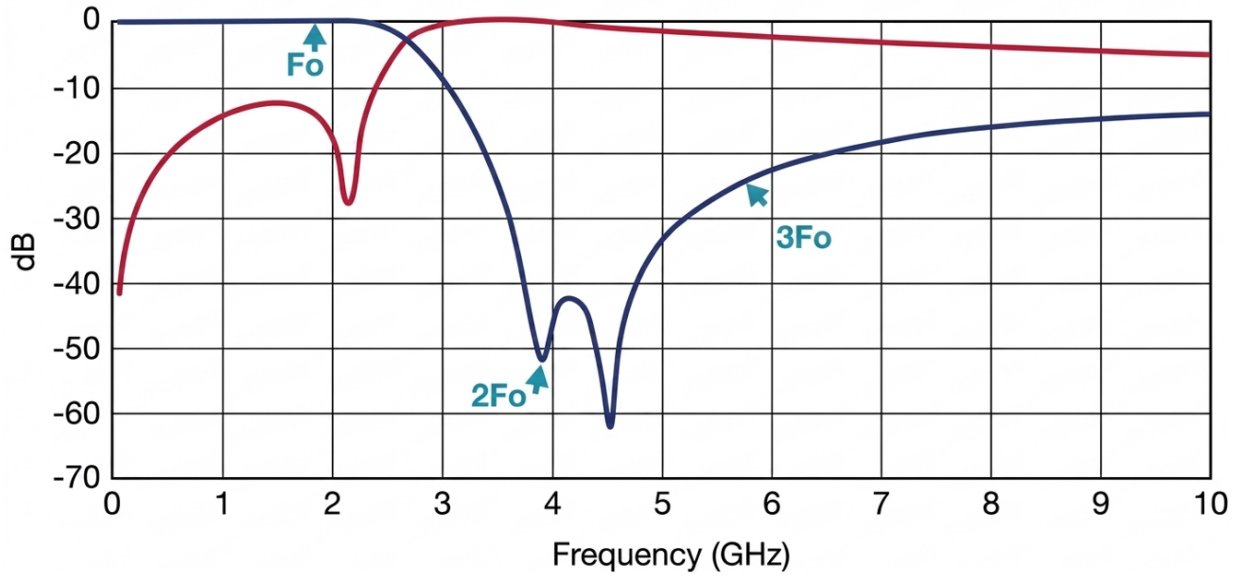
LP0805 Harmonic Low Pass 3W Filter

LP0805A1960ASTR

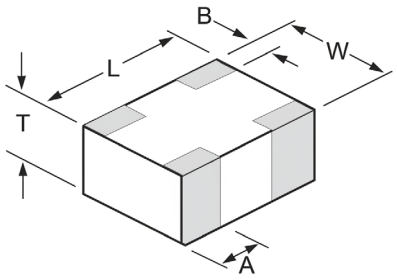
ELECTRICAL CHARACTERISTICS

LP0805A1960ASTR	
Description	**Value**
Fc	1960 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



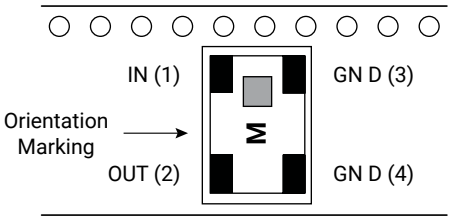
DIMENSIONS (TOP VIEW)



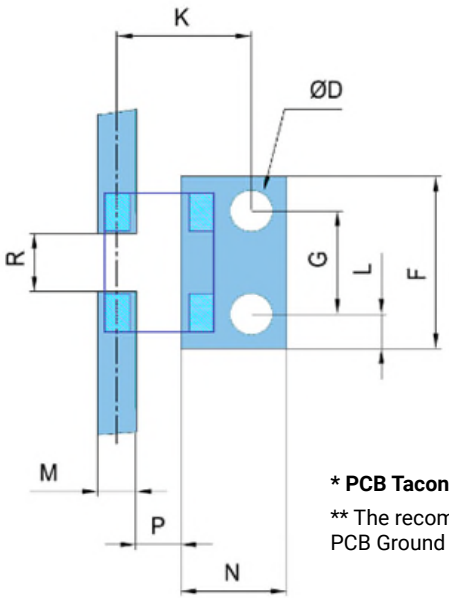
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

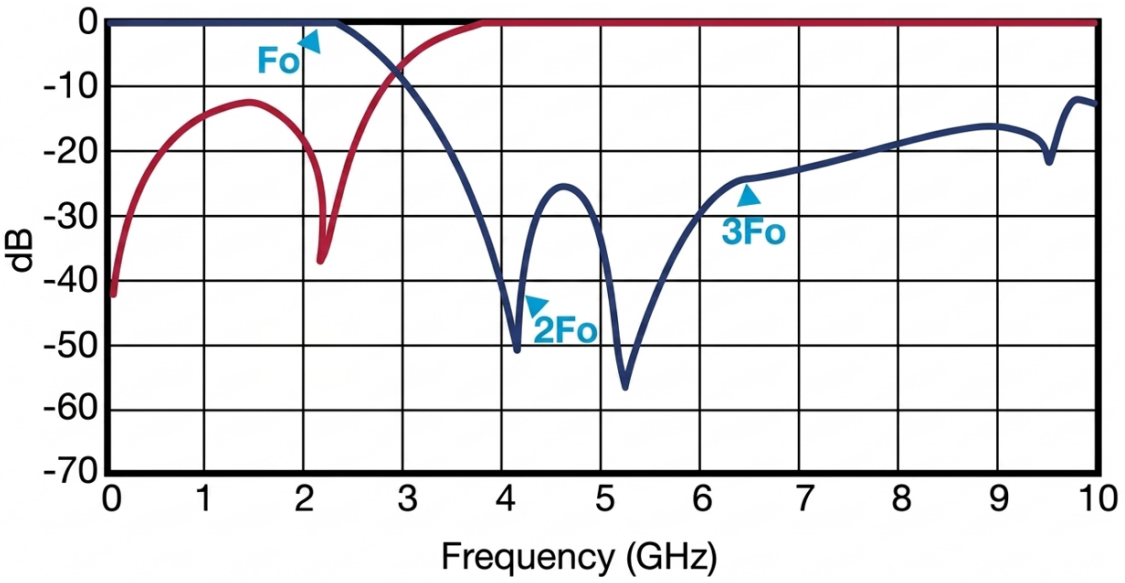
** The recommended distance to the PCB Ground Plane is 0.254mm (0.010")

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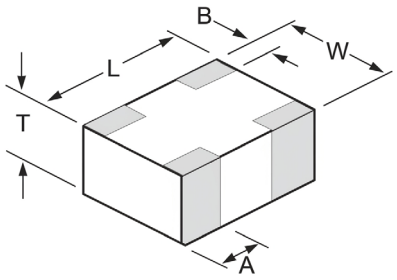
ELECTRICAL CHARACTERISTICS

LP0805A2140ASTR	
Description	**Value**
Fc	2140 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-15 dB Typ.
Rejection Typical	-25 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



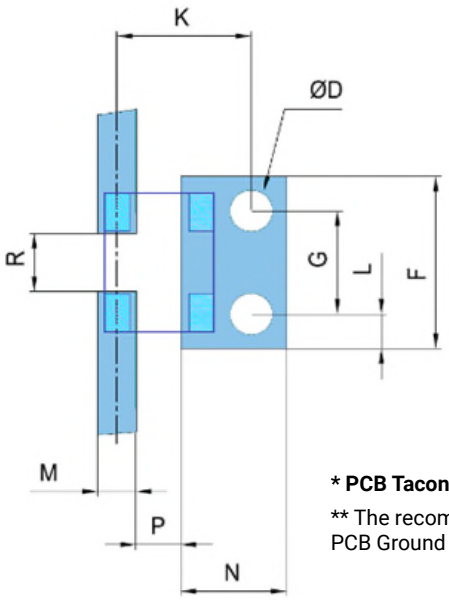
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



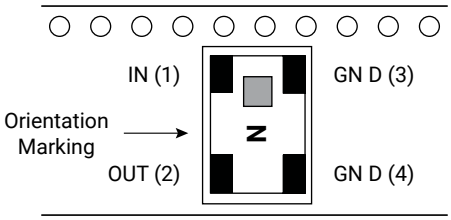
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

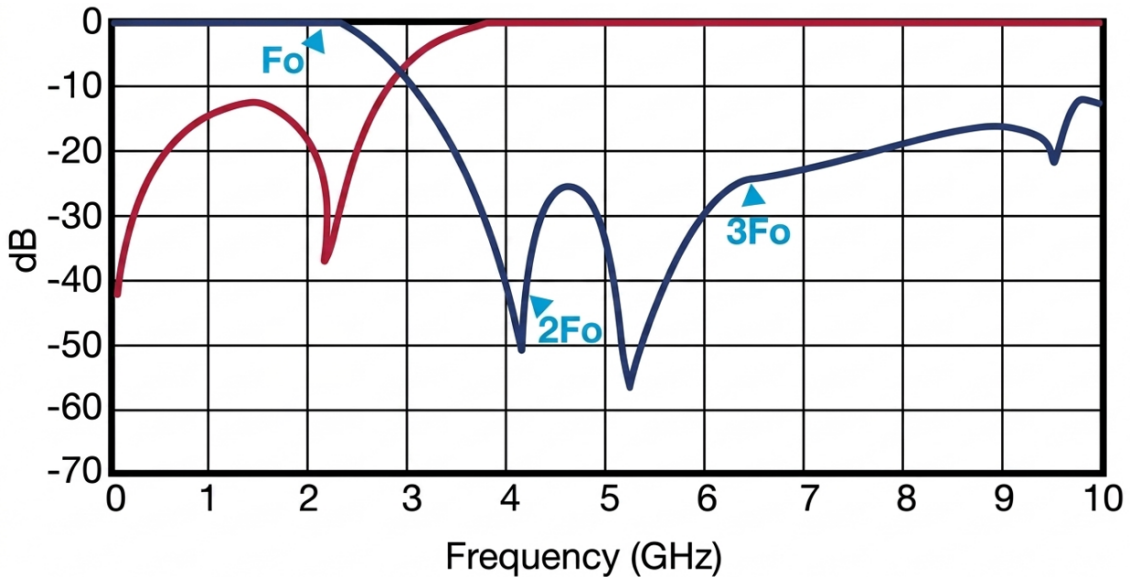
LP0805 Harmonic Low Pass 3W Filter

LP0805A2150ASTR

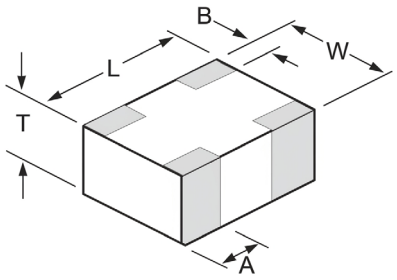
ELECTRICAL CHARACTERISTICS

LP0805A2150ASTR	
Description	**Value**
Fc	2150 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



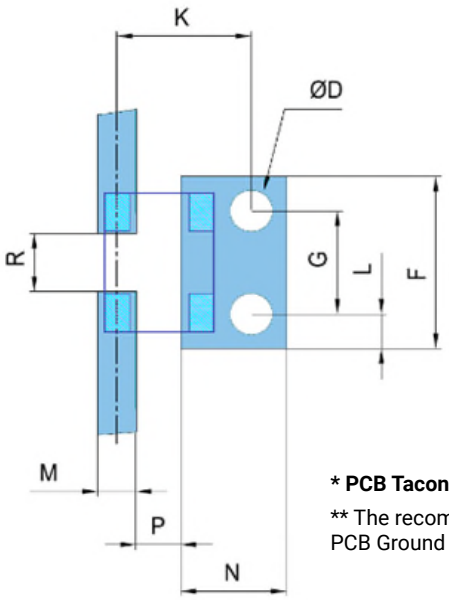
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



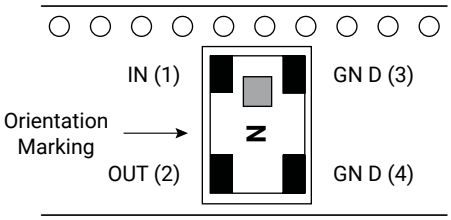
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

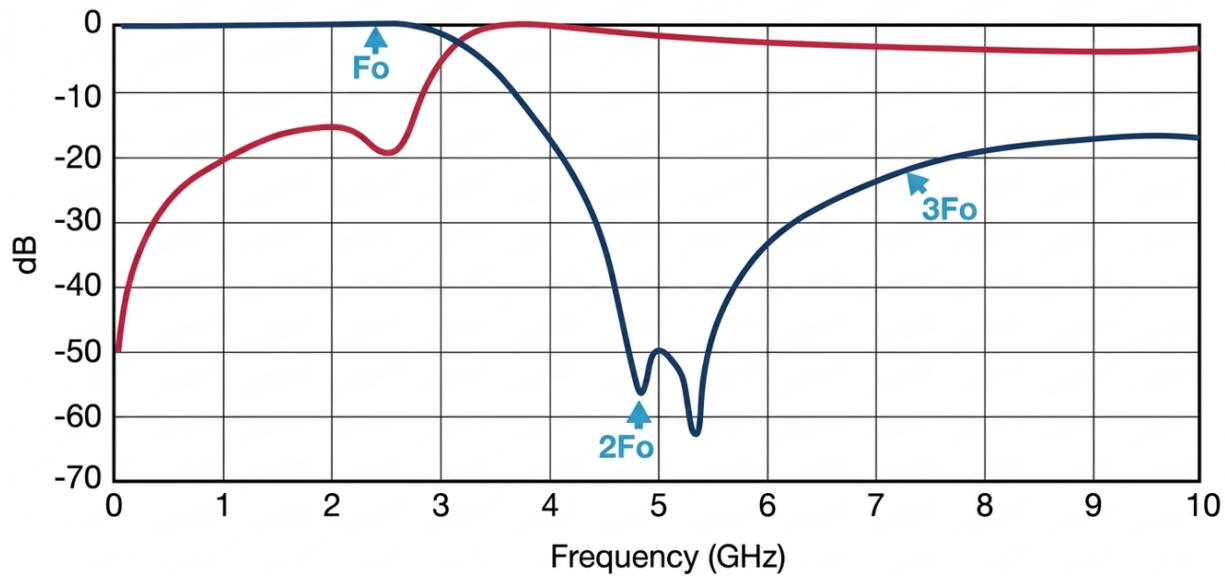
LP0805 Harmonic Low Pass 3W Filter

LP0805A2300ASTR

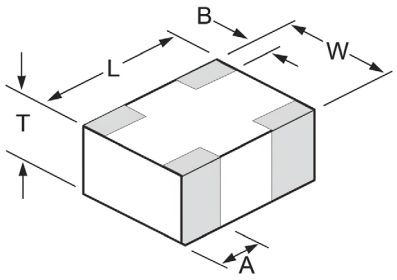
ELECTRICAL CHARACTERISTICS

LP0805A2300ASTR	
Description	**Value**
Fc	2300 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-15 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



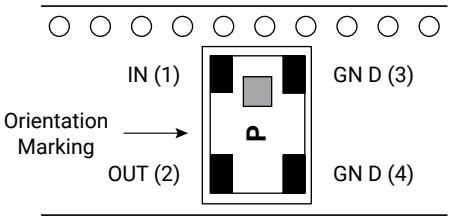
DIMENSIONS (TOP VIEW)



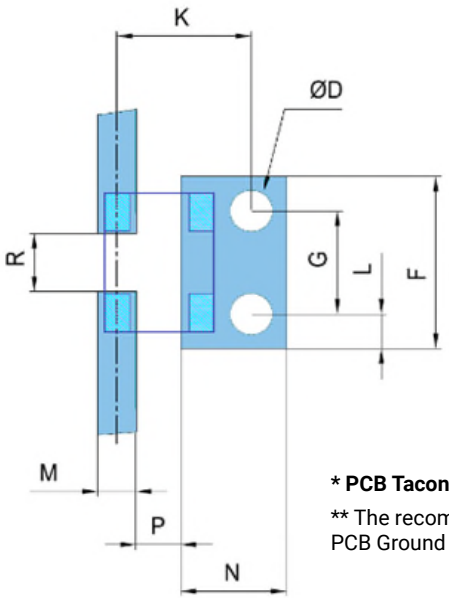
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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Thin-Film RF/Microwave Filters

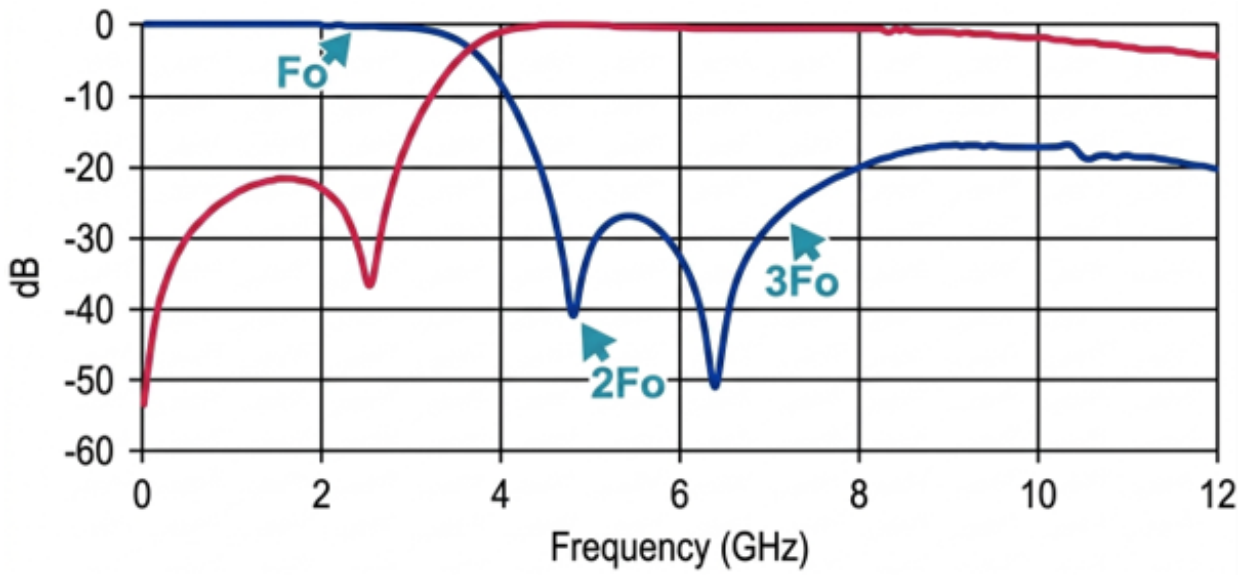
LP0805 Harmonic Low Pass 3W Filter

LP0805A2350ASTR

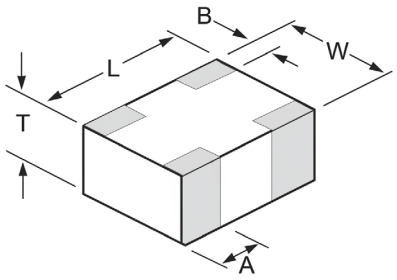
ELECTRICAL CHARACTERISTICS

LP0805A2350ASTR	
Description	**Value**
Fc	2350 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-25 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



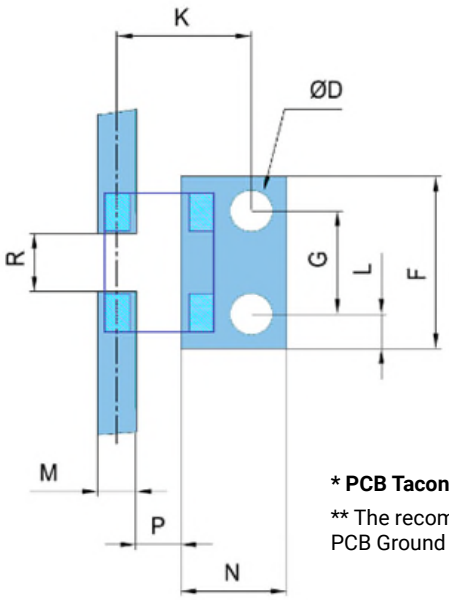
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



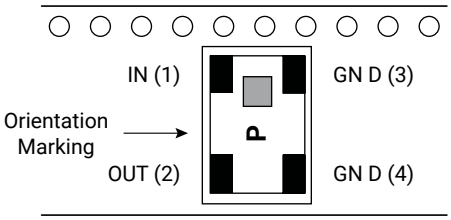
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
øD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

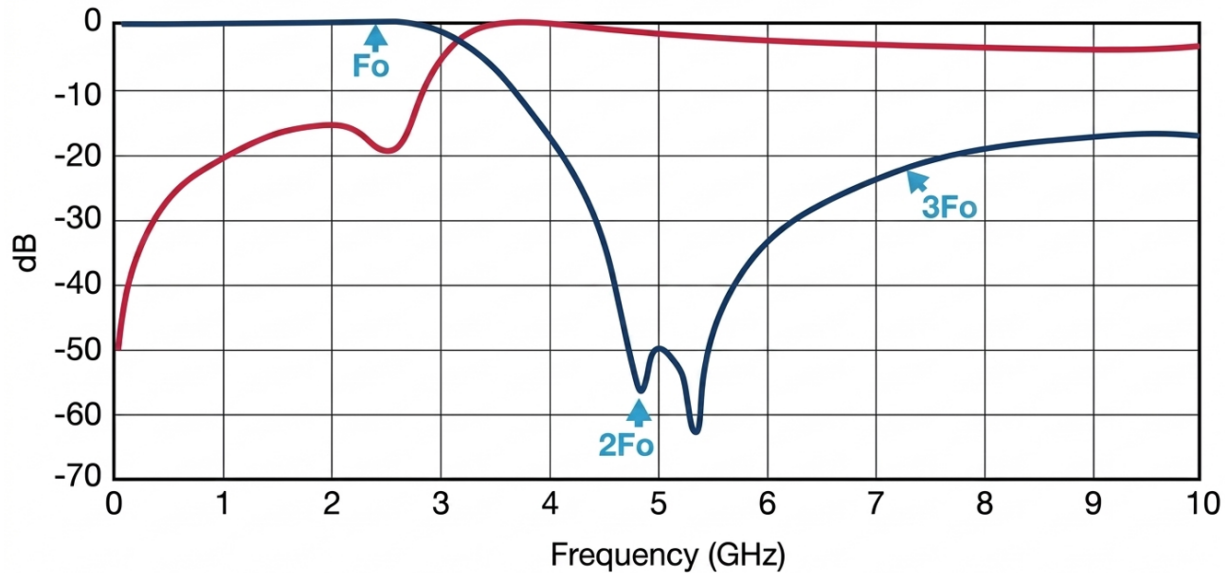
LP0805 Harmonic Low Pass 3W Filter

LP0805A2442ASTR

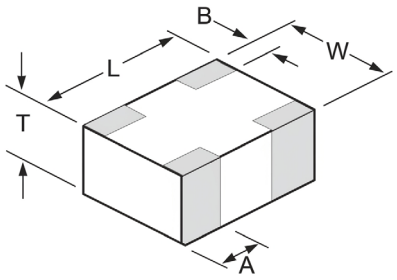
ELECTRICAL CHARACTERISTICS

LP0805A2442ASTR	
Description	**Value**
Fc	2442 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-12 dB Typ.
Rejection Typical	-30 @ $2xF_0$, -22 @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



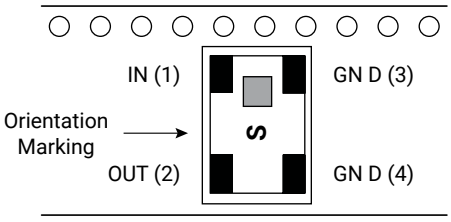
DIMENSIONS (TOP VIEW)



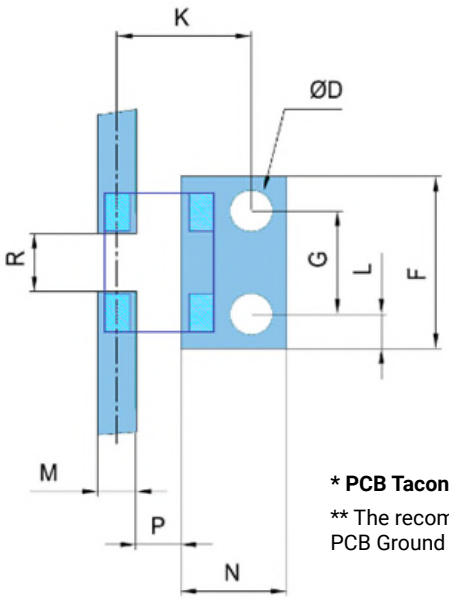
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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Thin-Film RF/Microwave Filters

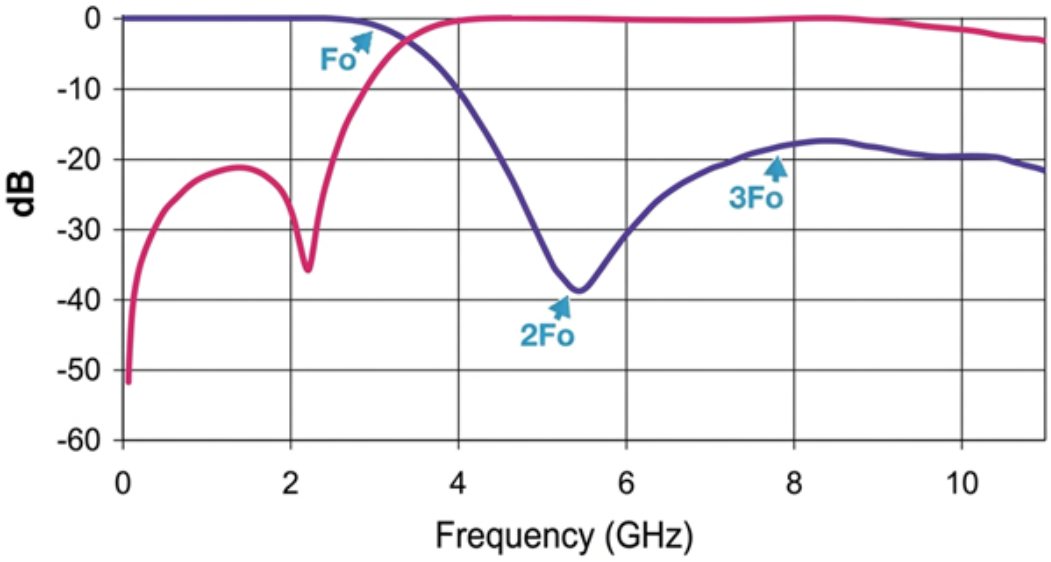
LP0805 Harmonic Low Pass 3W Filter

LP0805A2590ASTR

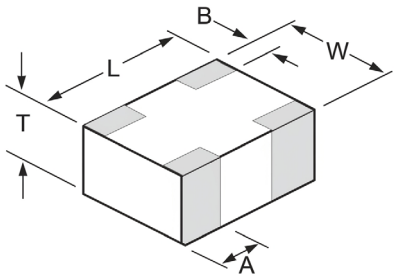
ELECTRICAL CHARACTERISTICS

LP0805A2590ASTR	
Description	**Value**
Fc	2590 MHz
I. Loss Max.	-0.45 dB Typ.
R. Loss Min.	-25 dB Typ.
Rejection Typical	-30 @ $2xF_0$, -18 @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



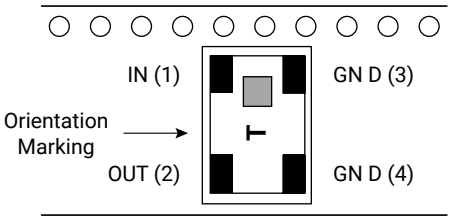
DIMENSIONS (TOP VIEW)



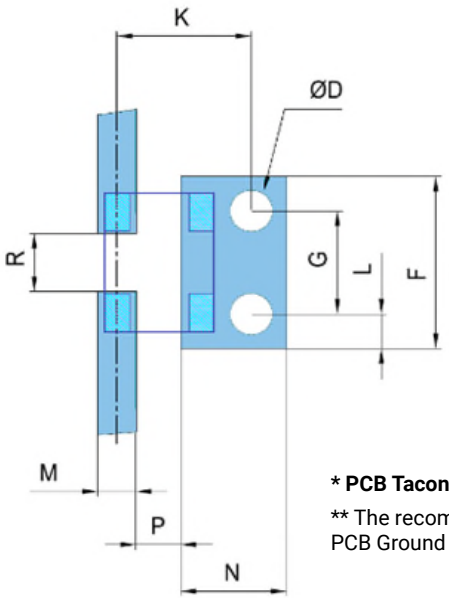
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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Thin-Film RF/Microwave Filters

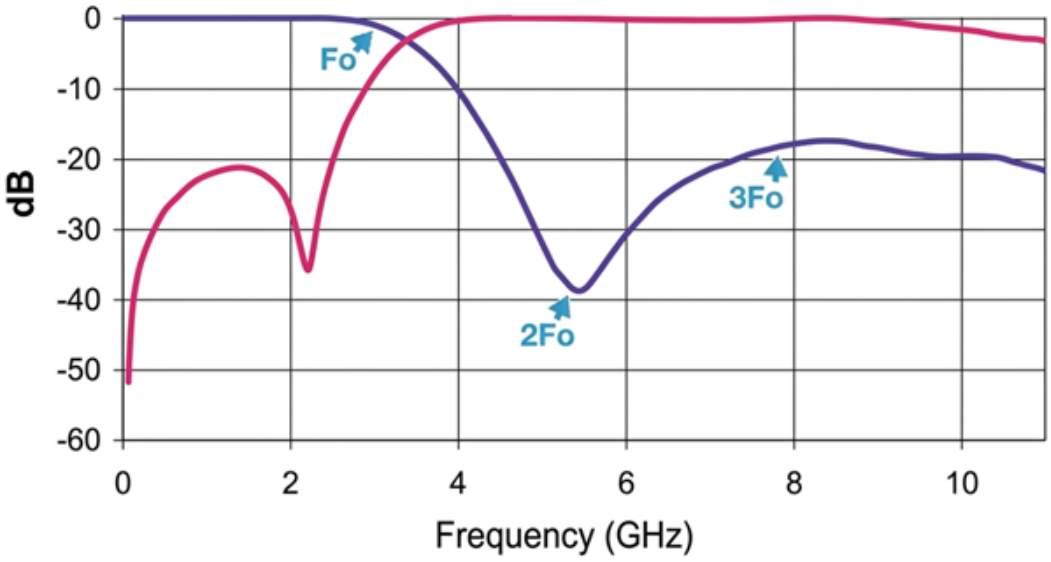
LP0805 Harmonic Low Pass 3W Filter

LP0805A2600ASTR

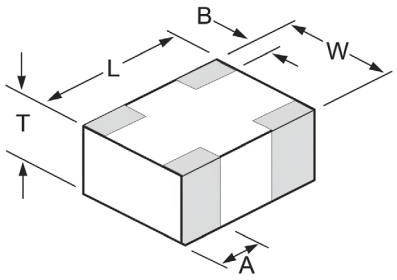
ELECTRICAL CHARACTERISTICS

LP0805A2600ASTR	
Description	**Value**
Fc	2600 MHz
I. Loss Max.	-0.45 dB Typ.
R. Loss Min.	-15 dB Typ.
Rejection Typical	-30 @ $2xF_0$, -20 @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE

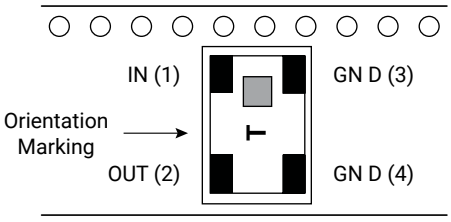


DIMENSIONS (TOP VIEW)

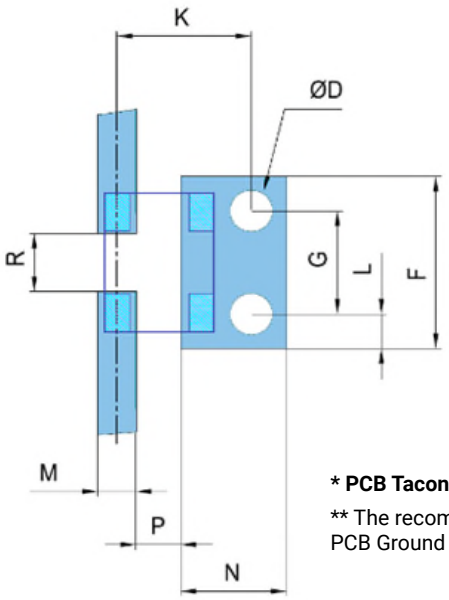


mm (inches)	
L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)	
M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
øD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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Thin-Film RF/Microwave Filters

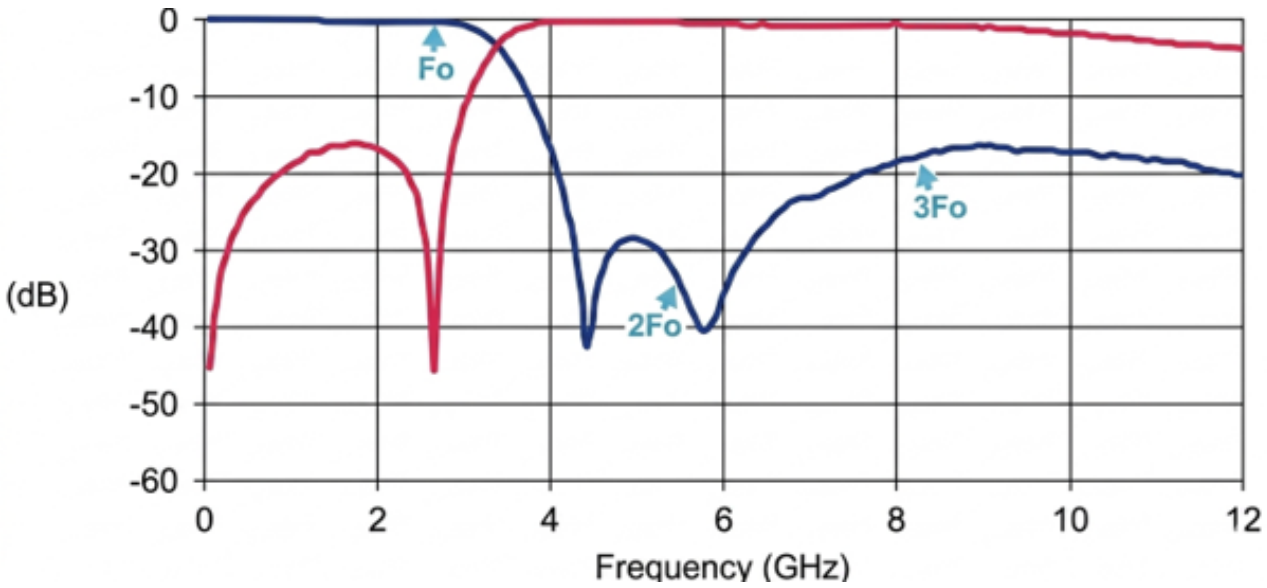
LP0805 Harmonic Low Pass 3W Filter

LP0805A2700ASTR

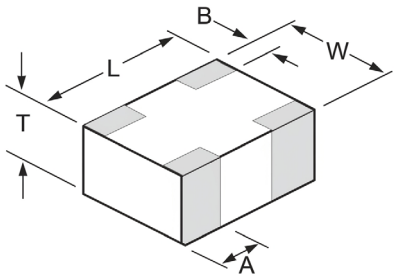
ELECTRICAL CHARACTERISTICS

LP0805A2700ASTR	
Description	**Value**
Fc	2700 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-25 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -18 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE

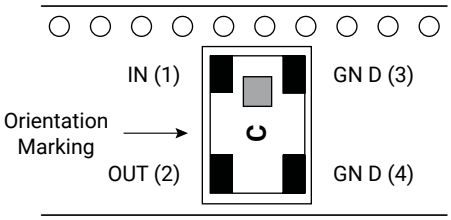


DIMENSIONS (TOP VIEW)

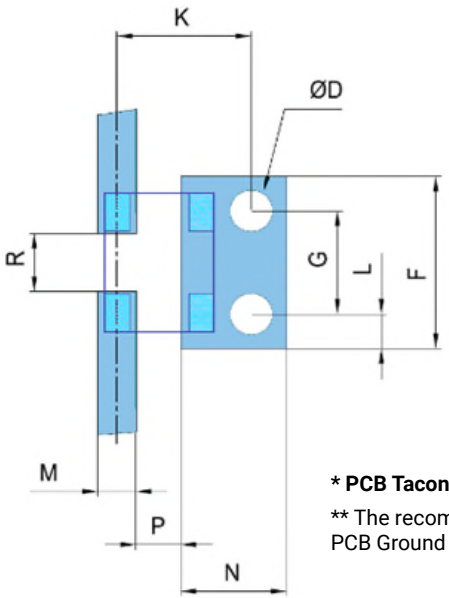


mm (inches)	
L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)	
M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
øD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

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Thin-Film RF/Microwave Filters

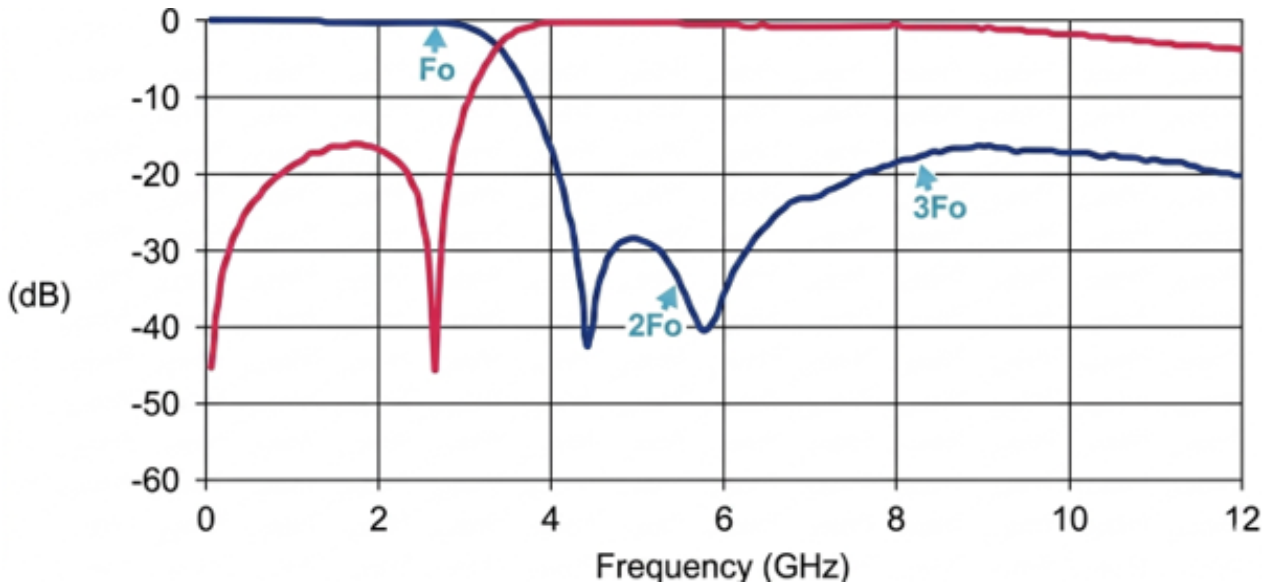
LP0805 Harmonic Low Pass 3W Filter

LP0805A2750ASTR

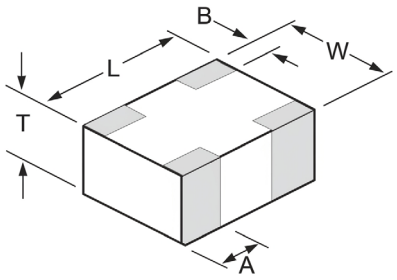
ELECTRICAL CHARACTERISTICS

LP0805A2750ASTR	
Description	**Value**
Fc	2750 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-25 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -18 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



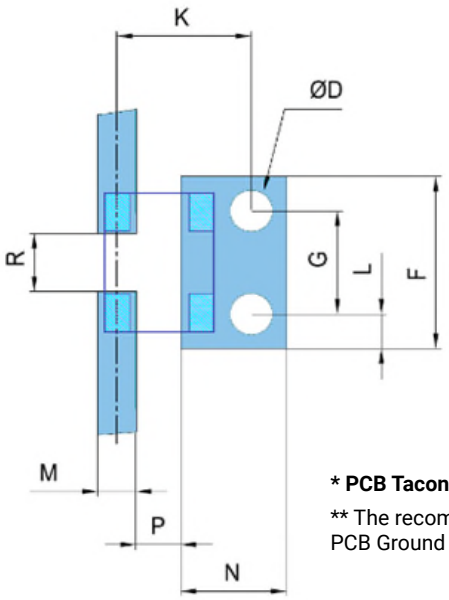
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



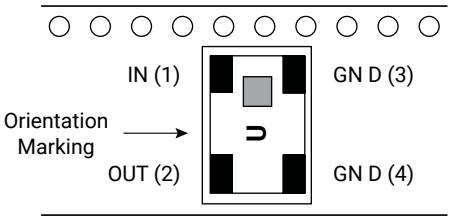
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
øD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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

TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

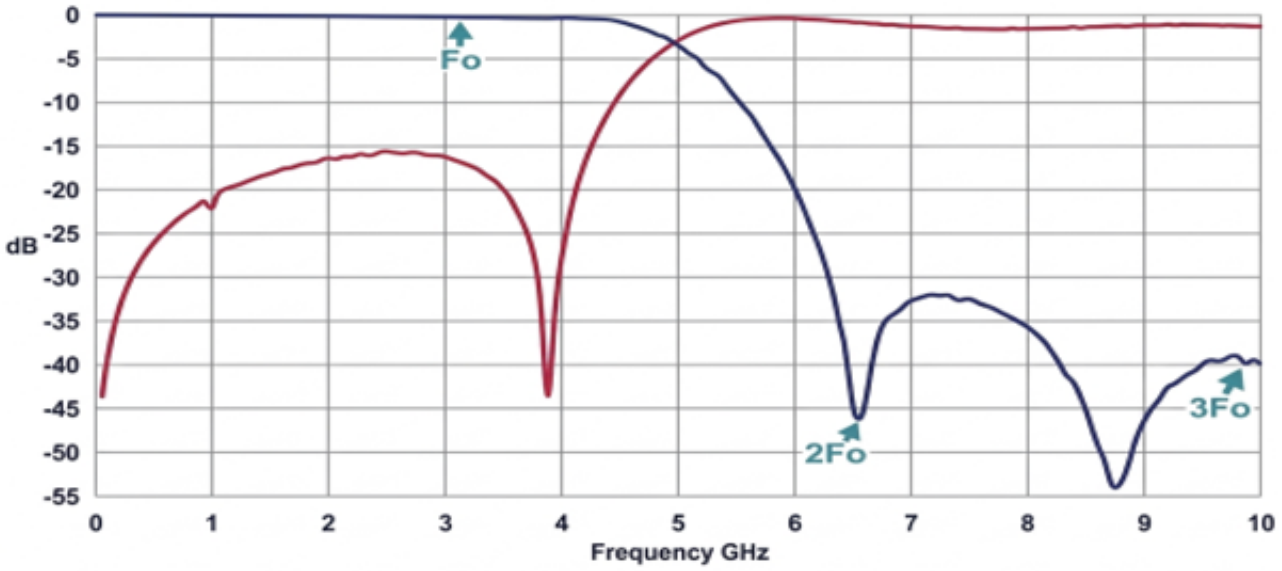
LP0805 Harmonic Low Pass 3W Filter

LP0805A3300ASTR

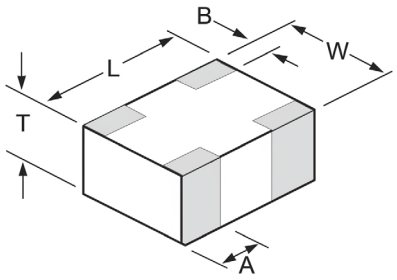
ELECTRICAL CHARACTERISTICS

LP0805A3300ASTR	
Description	**Value**
Fc	3300 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-15 dB Typ.
Rejection Typical	-25 dB @ $2xF_0$, -25 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



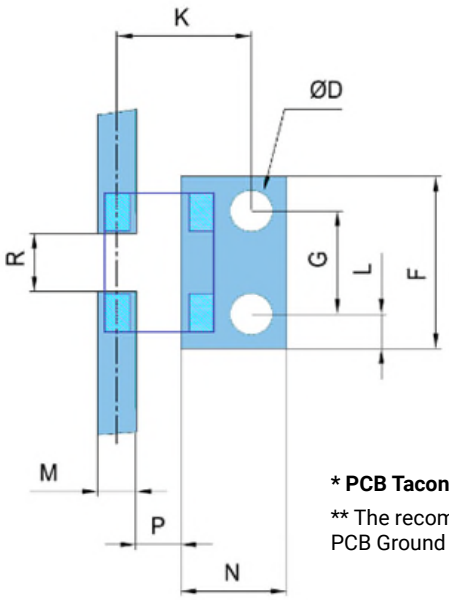
DIMENSIONS (TOP VIEW)



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 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

RECOMMENDED PAD LAYOUT



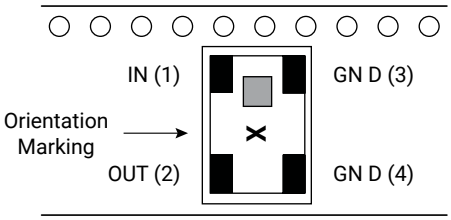
mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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TERMINALS (TOP VIEW), IN REEL



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Thin-Film RF/Microwave Filters

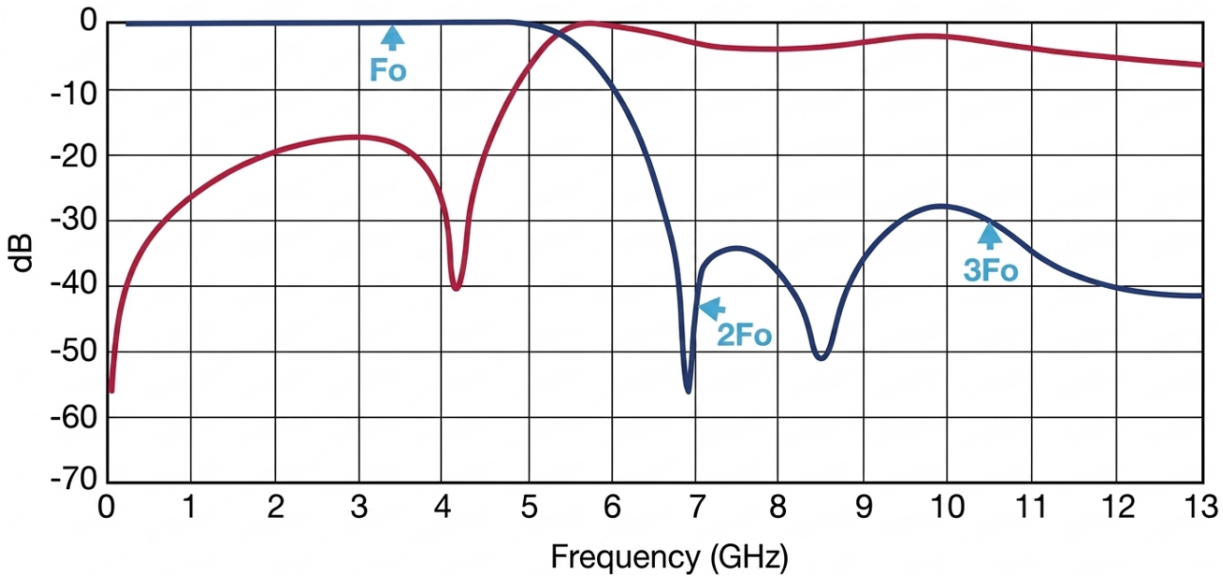
LP0805 Harmonic Low Pass 3W Filter

LP0805A3500ASTR

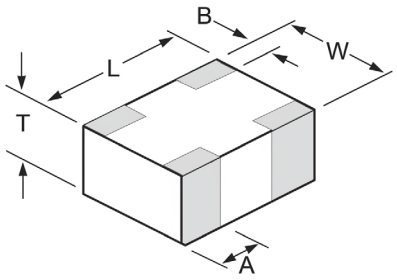
ELECTRICAL CHARACTERISTICS

LP0805A3500ASTR	
Description	**Value**
Fc	3500 MHz
I. Loss Max.	-0.4 dB Typ.
R. Loss Min.	-15 dB Typ.
Rejection Typical	-30 dB @ $2xF_0$, -20 dB @ $3xF_0$

TYPICAL ELECTRICAL PERFORMANCE



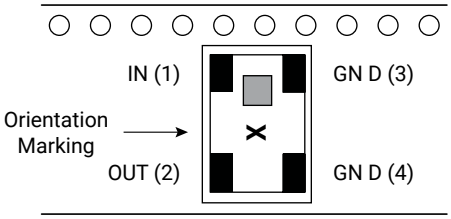
DIMENSIONS (TOP VIEW)



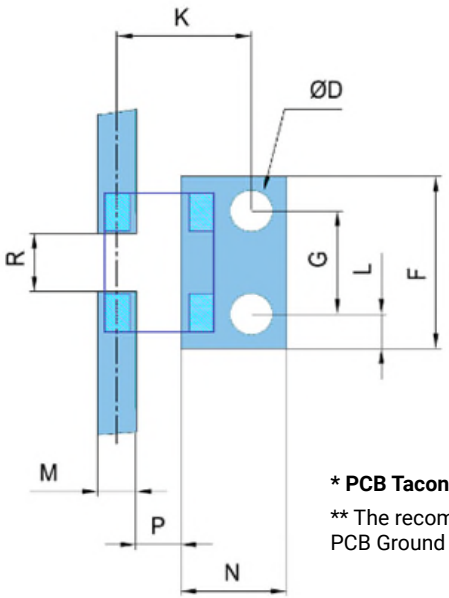
mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.8±0.1 (0.032±0.004)
A	0.56±0.25 (0.022±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS (TOP VIEW), IN REEL



RECOMMENDED PAD LAYOUT



mm (inches)

M	0.54±0.025 (0.021±0.0001)
R	8.5±0.05 (0.033±0.002)
K	1.9±0.05 (0.074±0.002)
F	2.5±0.05 (0.098±0.002)
G	1.5±0.05 (0.06±0.002)
L	0.5±0.05 (0.06±0.002)
N	1.5±0.05 (0.06±0.002)
P	0.63±0.05 (0.024±0.002)
ØD	ø0.6±0.05 (0.023±0.002)

*** PCB Taconic RF-35P**

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