

LP1206 SMD High Performance Low Pass Filter

LP1206A0700ASTR



HOW TO ORDER

LP 1206 A 0700 A S TR
 Series Size Type Frequency Sub-Type Termination Taped & Reeled
 T T T MHz T T T

FINAL QUALITY INSPECTION

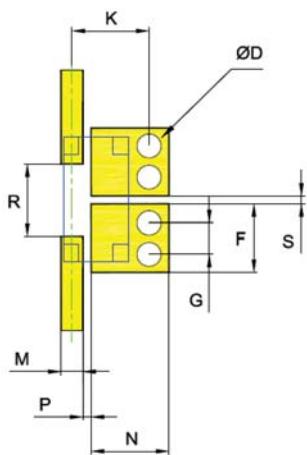
Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:

- 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.

RECOMMENDED PAD LAYOUT mm (inches)



F	1.70±0.05 (0.067±0.010)
G	0.78±0.05 (0.031±0.010)
K	1.91±0.10 (0.075±0.004)
M	0.54±0.025 (0.021±0.001)
N	1.93±0.05 (0.076±0.010)
P	0.21±0.04 (0.001±0.002)
R	1.80±0.04 (0.071±0.002)
S	0.20±0.04 (0.008±0.002)
D	0.60±0.10 (0.024±0.004)

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.

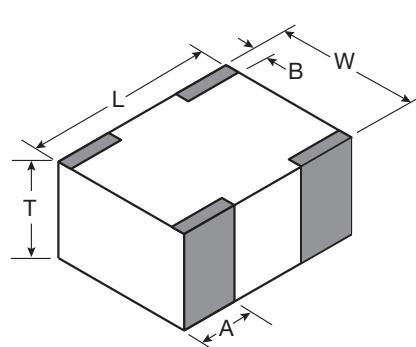
FEATURES

- Small size: 1206
- Frequency: 700MHz
- Sharp attenuation slope
- Characteristic impedance: 50Ω
- Operating/Storage temp: -40°C – +85°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

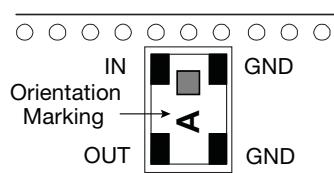
DIMENSIONS (Top View)



mm (inches)

L	3.08±0.1 (0.121±0.004)
W	1.60±0.1 (0.063±0.004)
T	0.87±0.1 (0.034±0.004)
A	0.61±0.25 (0.028±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS AND LAYOUT (Top View)



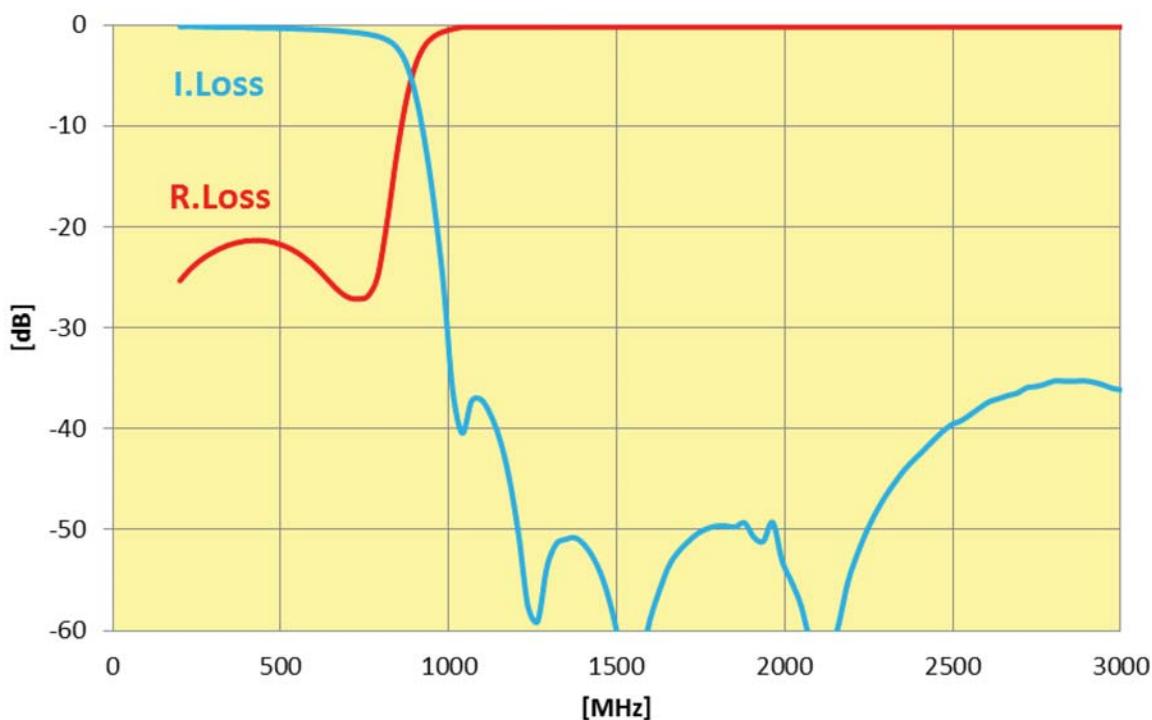
LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A0700ASTR

ELECTRICAL CHARACTERISTICS

P/N	I.Loss @ 700MHz	R.Loss @ 700MHz	Attenuation
LP1206A0700ASTR	0.8dB max.	-20dB	-20dB at 980MHz -45dB at 1400MHz -45dB at 2100MHz -30dB at 2800MHz

TYPICAL ELECTRICAL PERFORMANCE



LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A0860ASTR



HOW TO ORDER

LP 1206 A 0860 A S TR
 Series Size Type Frequency Sub-Type Termination Taped & Reeled
 T T T MHz T T T

FINAL QUALITY INSPECTION

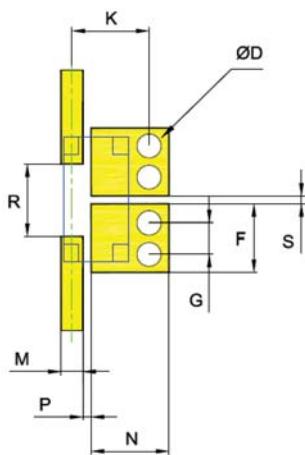
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TERMINATION

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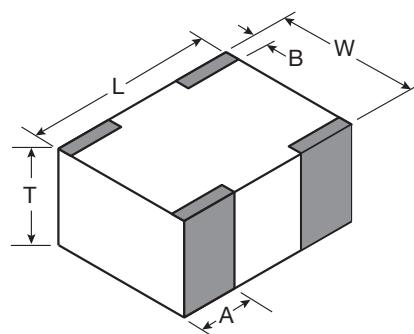
FEATURES

- Small size: 1206
- Frequency: 860MHz
- Sharp attenuation slope
- Characteristic impedance: 50Ω
- Operating/Storage temp: -40°C – +85°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

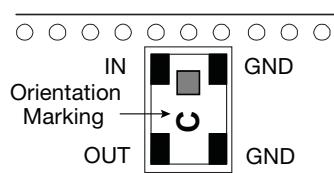
DIMENSIONS (Top View)



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TERMINALS AND LAYOUT (Top View)



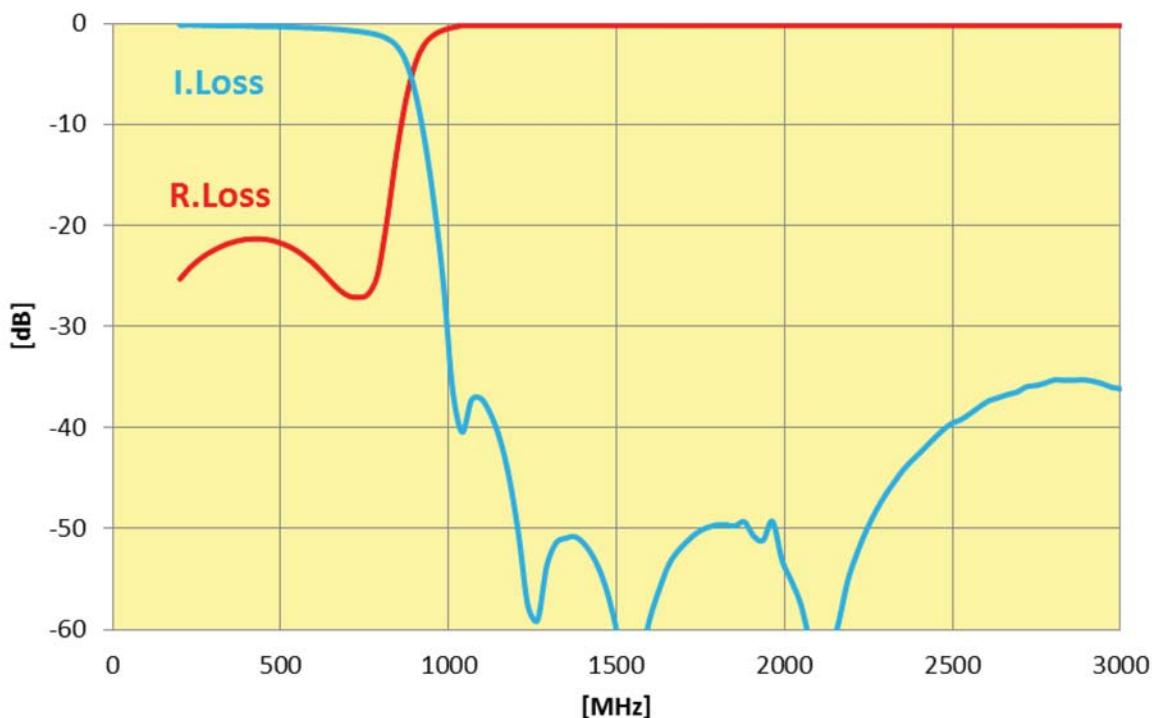
LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A0860ASTR

ELECTRICAL CHARACTERISTICS

P/N	I.Loss @ 860MHz	R.Loss @ 860MHz	Attenuation
LP1206A0860ASTR	0.85dB max.	-18dB	-25dB at 1204MHz -45dB at 1720MHz -45dB at 2580MHz -30dB at 3440MHz

TYPICAL ELECTRICAL PERFORMANCE



LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A3200ASTR



HOW TO ORDER

LP 1206 A 3200 A S TR

Series Size Type Frequency Sub-Type Termination Taped & Reeled

T T T T T T T

(MHz)

FINAL QUALITY INSPECTION

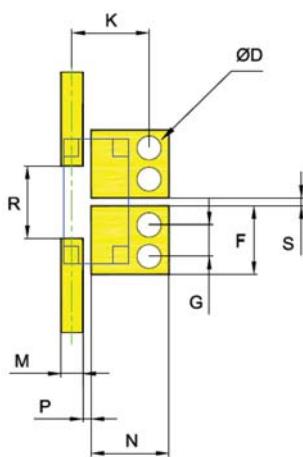
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TERMINATION

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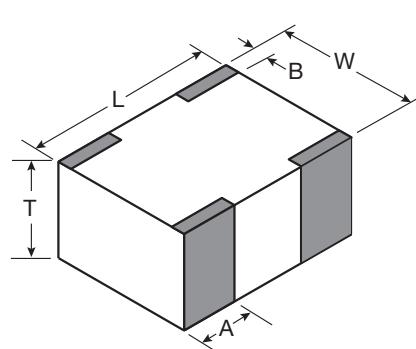
FEATURES

- Small size: 1206
- Frequency: 3.2GHz
- Sharp attenuation slope
- Characteristic impedance: 50Ohm
- Operating/Storage temp: -40°C – +85°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

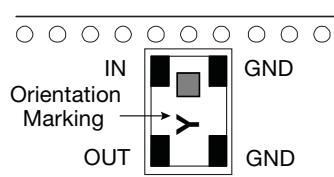
DIMENSIONS (Top View)



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TERMINALS AND LAYOUT (Top View)



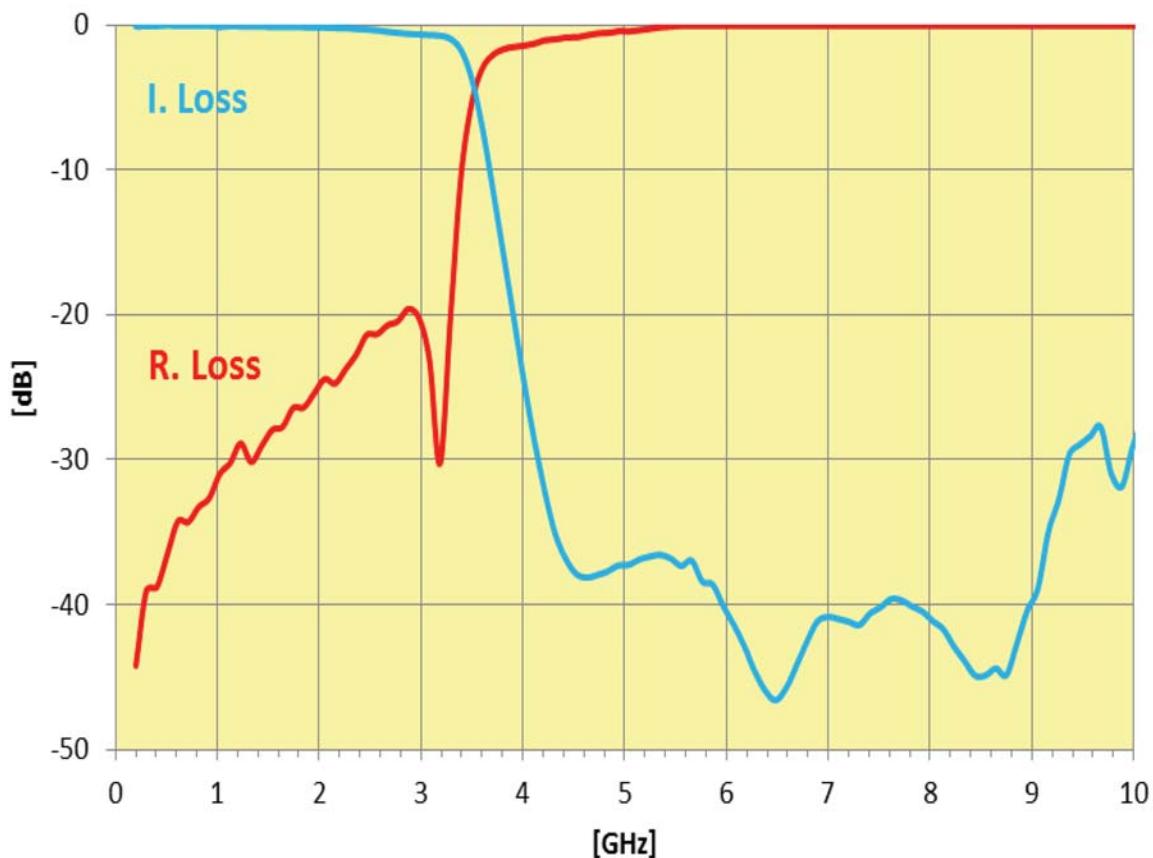
LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A3200ASTR

ELECTRICAL CHARACTERISTICS

P/N	I.Loss @ 3.2GHz	R.Loss @ 3.2GHz	Attenuation (min.)
LP1206A3200ASTR	0.85dB max.	-20dB	-30dB at 4.48GHz -40dB at 6.4GHz -25dB at 9.6GHz -25dB at 10GHz

TYPICAL ELECTRICAL PERFORMANCE



LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A3500ASTR



HOW TO ORDER

LP 1206 A 3500 A S TR

Series Size Type Frequency Sub-Type Termination Taped & Reeled

T T T T T T T

(MHz)

FINAL QUALITY INSPECTION

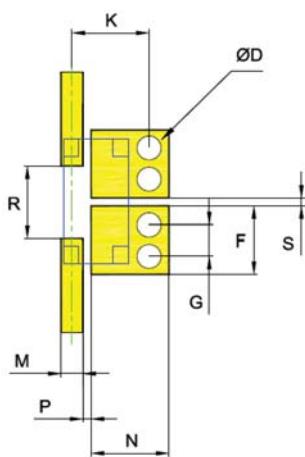
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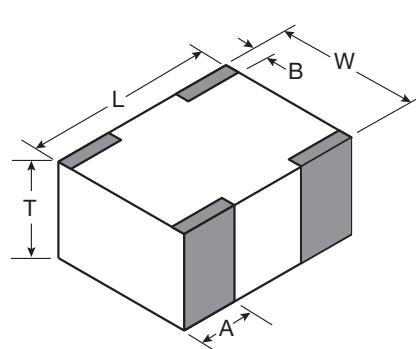
FEATURES

- Small size: 1206
- Frequency: 3.5GHz
- Sharp attenuation slope
- Characteristic impedance: 50Ohm
- Operating/Storage temp: -40°C – +85°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

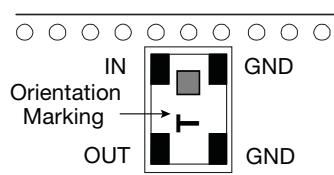
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TERMINALS AND LAYOUT (Top View)



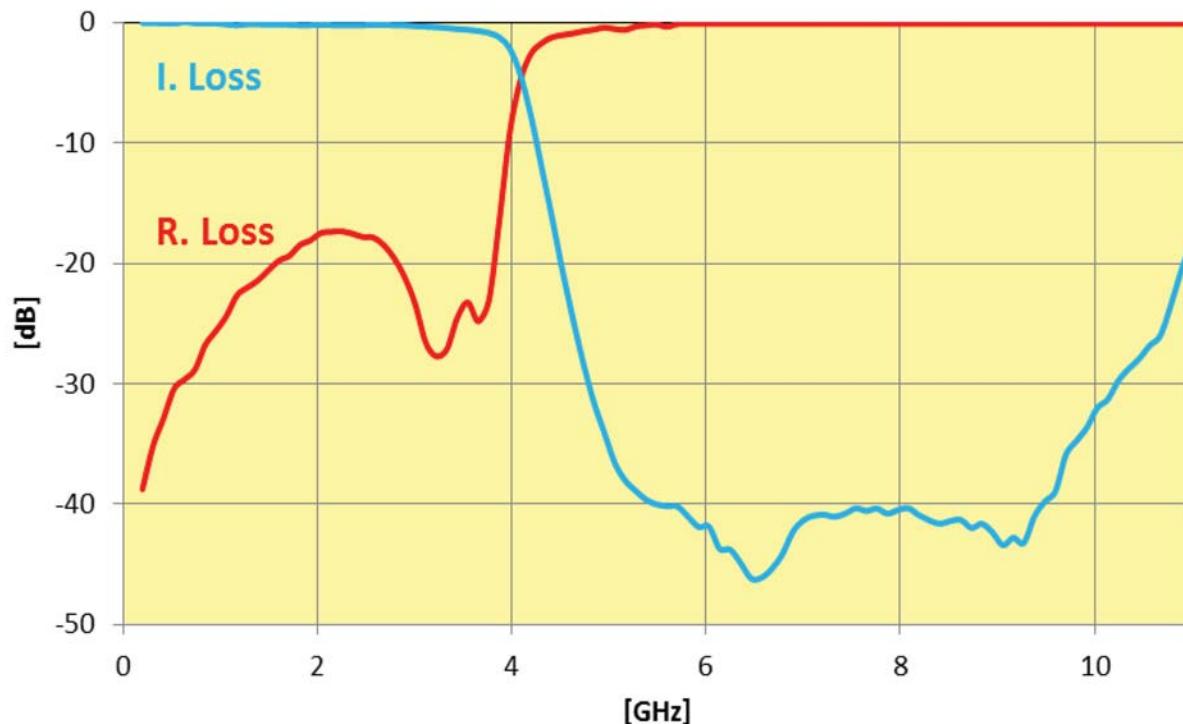
LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A3500ASTR

ELECTRICAL CHARACTERISTICS

P/N	I.Loss @ 3.5GHz	R.Loss @ 3.5GHz	Attenuation (min.)
LP1206A3500ASTR	0.7dB max.	-18dB	-30dB at 4.9GHz -40dB at 7GHz -25dB at 10.5GHz -15dB at 11GHz

TYPICAL ELECTRICAL PERFORMANCE



LP1206 SMD High Performance Low Pass Filter

LP1206A3600ASTR



HOW TO ORDER

LP 1206 A 3600 A S TR

Series Size Type Frequency Sub-Type Termination Taped & Reeled

T T T T T T T

(MHz)

FINAL QUALITY INSPECTION

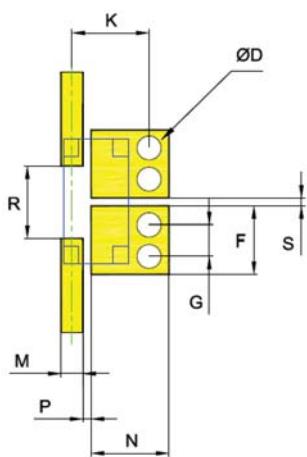
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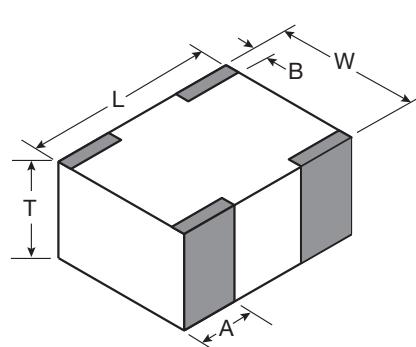
FEATURES

- Small size: 1206
- Frequency: 3.6GHz
- Sharp attenuation slope
- Characteristic impedance: 50Ohm
- Operating/Storage temp: -40°C – +85°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

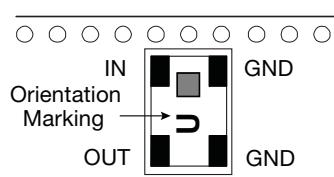
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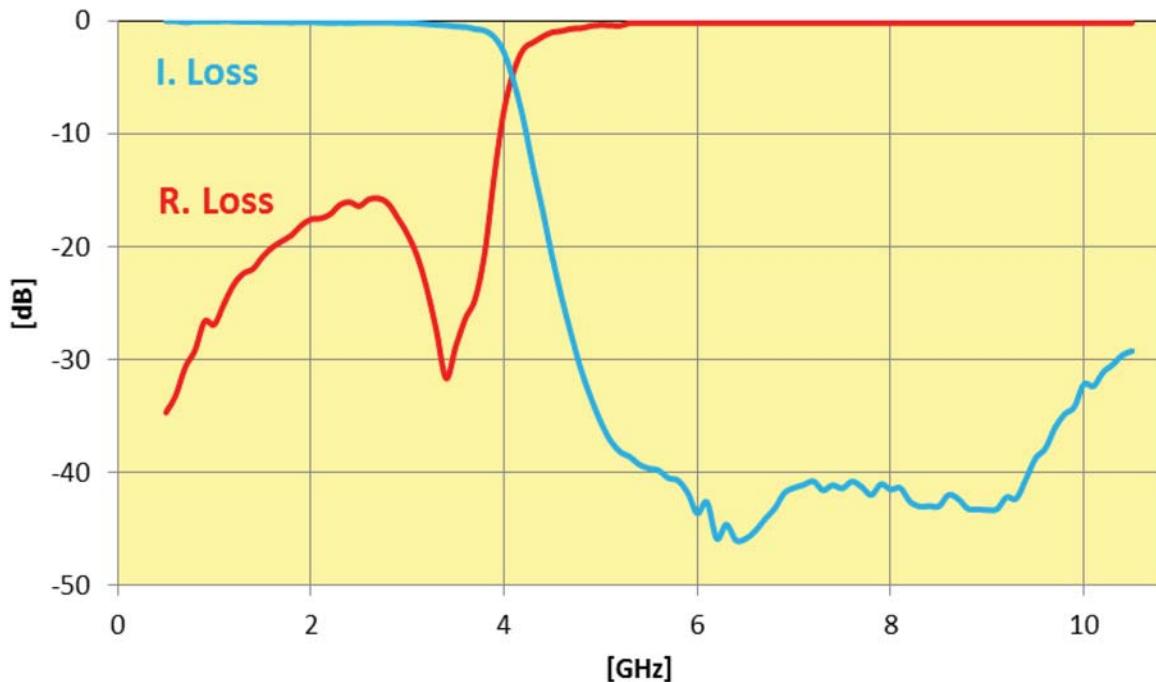
LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A3600ASTR

ELECTRICAL CHARACTERISTICS

P/N	I.Loss @ 3.6GHz	R.Loss @ 3.6GHz	Attenuation (min.)
LP1206A3600ASTR	0.7dB max.	-25dB	-30dB at 5.04GHz -35dB at 7.2GHz -25dB at 10.8GHz

TYPICAL ELECTRICAL PERFORMANCE



LP1206 SMD High Performance Low Pass Filter

LP1206A3800ASTR



HOW TO ORDER

LP 1206 A 3800 A S TR

Series Size Type Frequency Sub-Type Termination Taped & Reeled

T T T T T T T

(MHz)

FINAL QUALITY INSPECTION

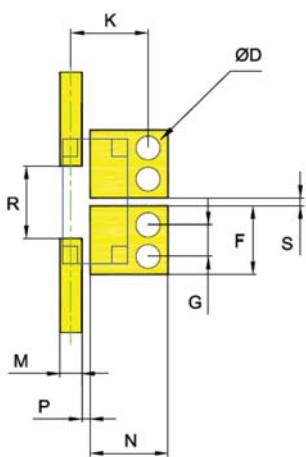
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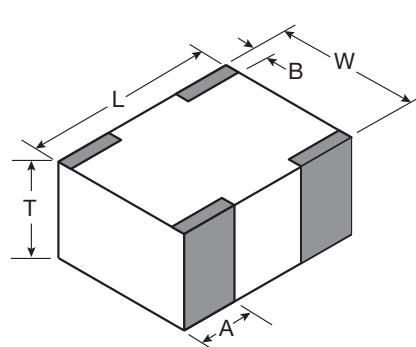
FEATURES

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- Frequency: 3.8GHz
- Sharp attenuation slope
- Characteristic impedance: 50Ohm
- Operating/Storage temp: -40°C – +85°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

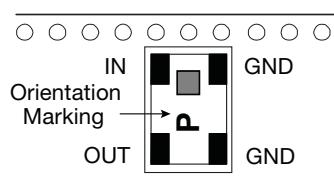
DIMENSIONS (Top View)



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TERMINALS AND LAYOUT (Top View)



LP1206 SMD High Performance Low Pass Filter **AVX RF**

LP1206A3800ASTR

ELECTRICAL CHARACTERISTICS

P/N	I.Loss @ 3.8GHz	R.Loss @ 3.8GHz	Attenuation (min.)
LP1206A3800ASTR	0.8dB max.	-20dB	-35dB at 5.32GHz -28dB at 7.6GHz -33dB at 10GHz

TYPICAL ELECTRICAL PERFORMANCE

