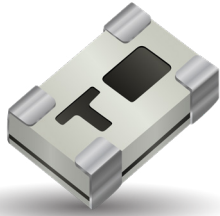


# Thin-Film RF/Microwave Filters

## BP1206 Band Pass Filter SMD 8W

### BP1206A0802ASTR



### ITF TECHNOLOGY

The BP1206 Band Pass Filter is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

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

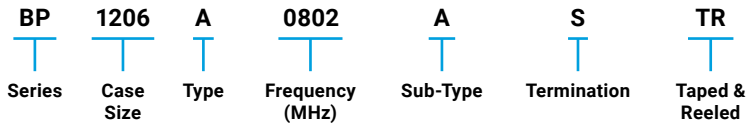
### FEATURES

- Small size: 1206
- Band: 680-925 MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C – +105°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

### APPLICATIONS

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

### HOW TO ORDER



### FINAL QUALITY INSPECTION

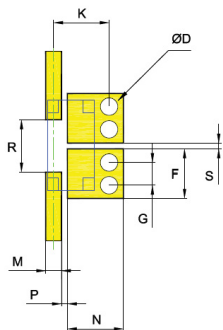
Finished parts are 100% tested for electrical parameters and visual/ mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

### TERMINATION

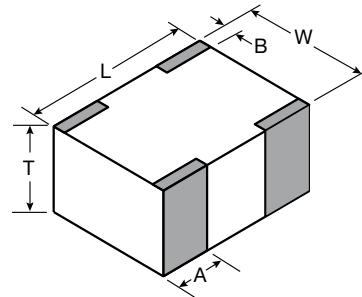
Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

### RECOMMENDED PAD LAYOUT



	mm
<b>F</b>	1.70±0.05
<b>G</b>	0.75±0.05
<b>K</b>	1.91±0.10
<b>M</b>	0.54±0.025
<b>N</b>	1.93±0.05
<b>P</b>	0.21±0.04
<b>R</b>	1.80±0.04
<b>S</b>	0.20±0.04
<b>D</b>	0.6±0.1

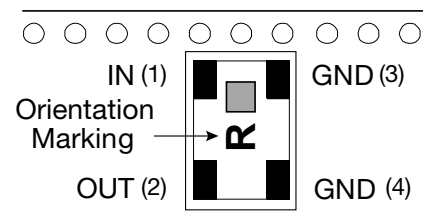
### DIMENSIONS (TOP VIEW)



mm (inches)

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

### TERMINAL AND LAYOUT (TOP VIEW)



# Thin-Film RF/Microwave Filters

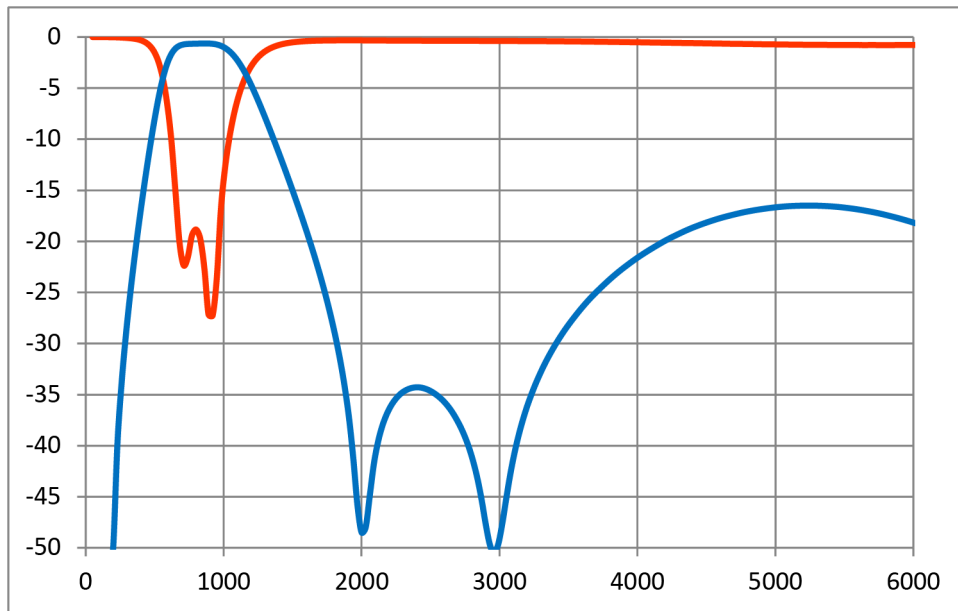
## BP1206 Band Pass Filter SMD 8W

### BP1206A0802ASTR

#### ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	802 MHz
Impedance	50 ohm
I.loss 925-680MHz	-1.1dB max.
In-band return loss	-18dB
Rejection in [DC~400MHz]	-15dBc min.
Rejection in [2000~3000MHz]	-30dBc min
Rejection in [3000~4000MHz]	-18dBc min
Power handling (CW)	8 Watt
Operating temperature range	-40/+105 degC
Package	SMD, standard 1206 size

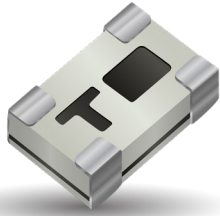
#### TYPICAL ELECTRICAL PERFORMANCE



# Thin-Film RF/Microwave Filters

## BP1206 Band Pass Filter SMD 8W

### BP1206A0879ASTR



### ITF TECHNOLOGY

The BP1206 Band Pass Filter is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

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

### FEATURES

- Small size: 1206
- Band: 800-960 MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +105°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

### APPLICATIONS

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

### HOW TO ORDER

<b>BP</b>	<b>1206</b>	<b>A</b>	<b>0879</b>	<b>A</b>	<b>S</b>	<b>TR</b>
Series	Case Size	Type	Frequency (MHz)	Sub-Type	Termination	Taped & Reeled

### FINAL QUALITY INSPECTION

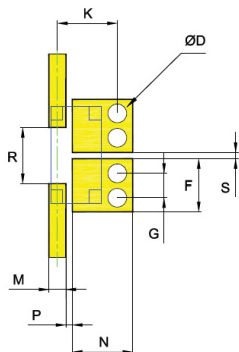
Finished parts are 100% tested for electrical parameters and visual/ mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

### TERMINATION

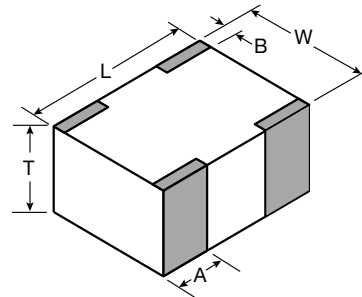
Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

### RECOMMENDED PAD LAYOUT



mm	
<b>F</b>	1.70±0.05
<b>G</b>	0.75±0.05
<b>K</b>	1.91±0.10
<b>M</b>	0.54±0.025
<b>N</b>	1.93±0.05
<b>P</b>	0.21±0.04
<b>R</b>	1.80±0.04
<b>S</b>	0.20±0.04
<b>D</b>	0.6±0.1

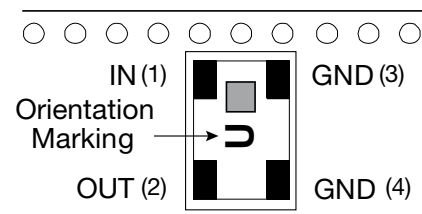
### DIMENSIONS (TOP VIEW)



mm (inches)

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

### TERMINAL AND LAYOUT (TOP VIEW)



# Thin-Film RF/Microwave Filters

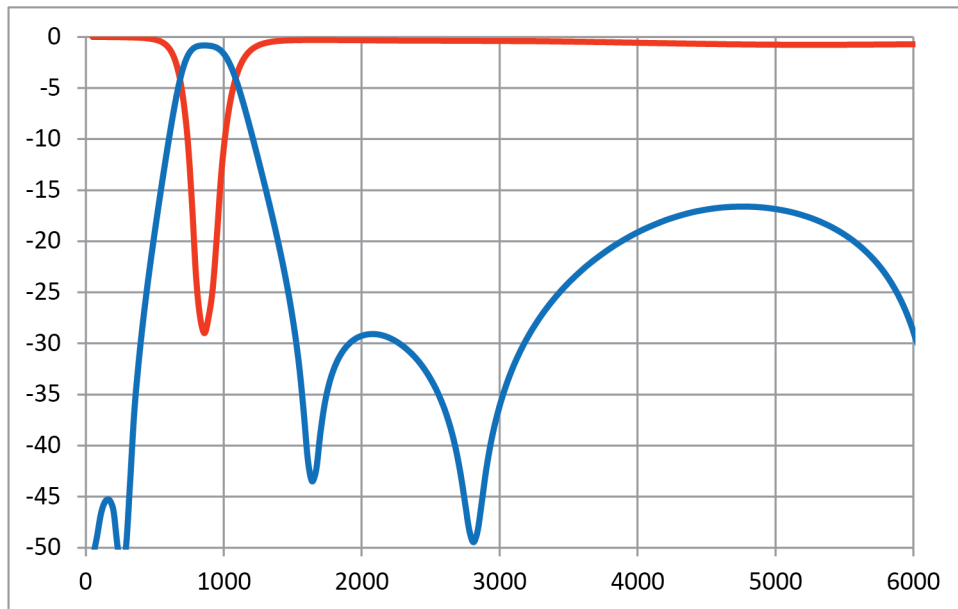
## BP1206 Band Pass Filter SMD 8W

### BP1206A0879ASTR

#### ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	879 MHz
Impedance	50 ohm
I. loss 800-960MHz	-1.2dB max.
In-band return loss	-18dB
Rejection in [DC~400MHz]	-22dBc min.
Rejection in [1600~3000MHz]	-28dBc min
Rejection in [3000~4000MHz]	-18dBc min
Power handling (CW)	8 Watt
Operating temperature range	-40/+105 degC
Package	SMD, standard 1206 size

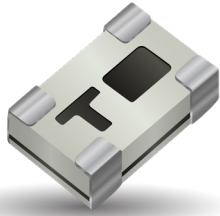
#### TYPICAL ELECTRICAL PERFORMANCE



# Thin-Film RF/Microwave Filters

## BP1206 Band Pass Filter SMD 8W

### BP1206A2880ASTR



### ITF TECHNOLOGY

The BP1206 Band Pass Filter is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

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

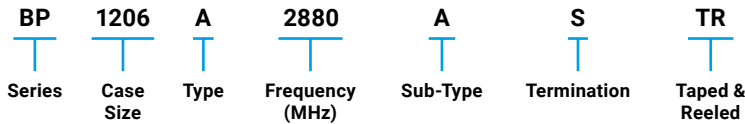
### FEATURES

- Small size: 1206
- Band: 2380-3380MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +105°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant
- Power Handling: 8W CW

### APPLICATIONS

- Base Stations.
- Radar Systems.
- Mobile communications
- Satellite TV receivers
- Vehicle location systems
- Wireless LAN's

### HOW TO ORDER



### FINAL QUALITY INSPECTION

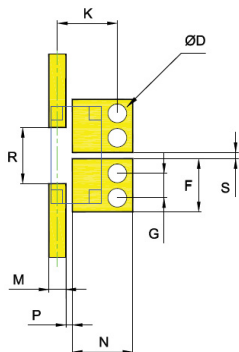
Finished parts are 100% tested for electrical parameters and visual/ mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

### TERMINATION

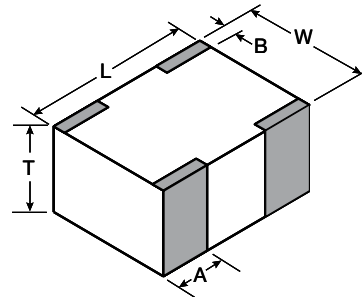
Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

### RECOMMENDED PAD LAYOUT



mm	
F	1.70±0.05
G	0.75±0.05
K	1.91±0.10
M	0.54±0.025
N	1.93±0.05
P	0.21±0.04
R	1.80±0.04
S	0.20±0.04
D	0.6±0.1

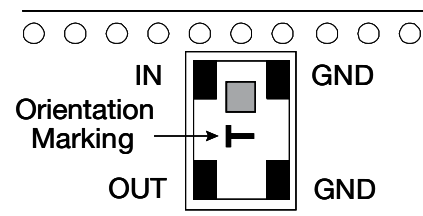
### DIMENSIONS (TOP VIEW)



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)

### TERMINAL AND LAYOUT (TOP VIEW)



# Thin-Film RF/Microwave Filters

## BP1206 Band Pass Filter SMD 8W

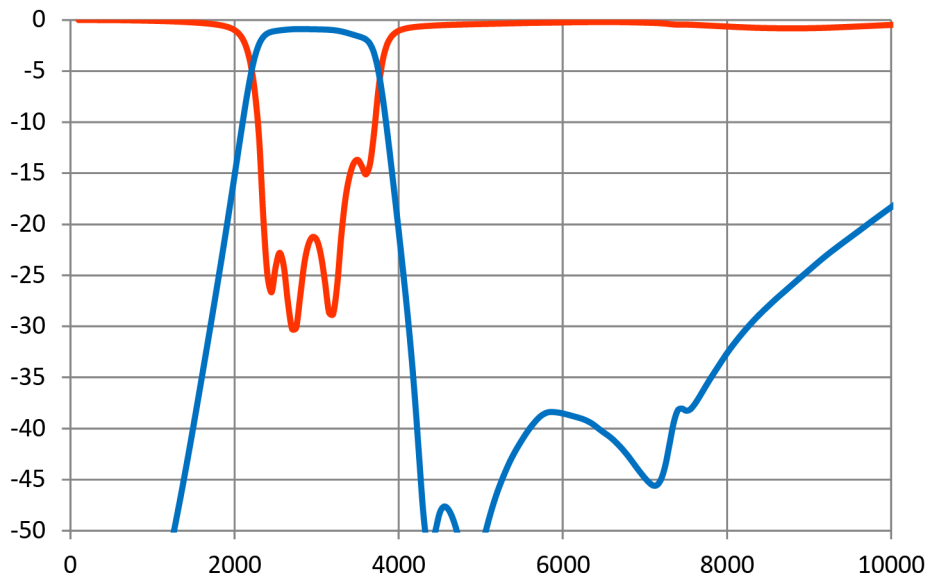
### BP1206A2880ASTR



#### ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	2880 MHz
Impedance	50 ohm
I. loss 2380-3380MHz	-1.5dB max.
In-band return loss	-15dB
Rejection in [460-1460] MHz	-30dBc min.
Rejection in [4300-5300] MHz	-30dBc min.
Power handling (CW)	8 Watt
Operating temperature range	-40/+105 degC
Package	SMD, standard 1206 size

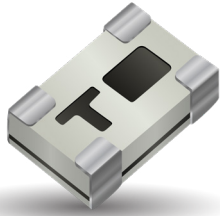
#### TYPICAL ELECTRICAL PERFORMANCE



# Thin-Film RF/Microwave Filters

## BP1206 Band Pass Filter SMD 8W

### BP1206A6670ASTR



### ITF TECHNOLOGY

The BP1206 Band Pass Filter is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

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

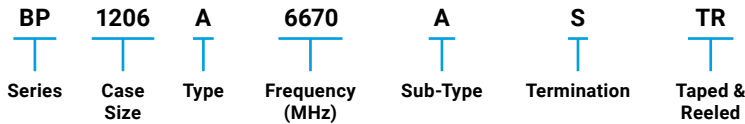
### FEATURES

- Small size: 1206
- Band: 5905-7450MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +105°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

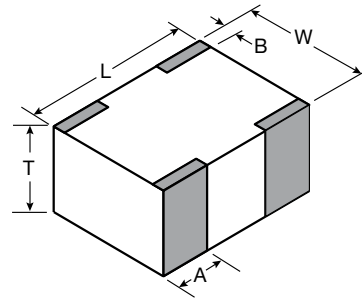
### APPLICATIONS

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

### HOW TO ORDER



### DIMENSIONS (TOP VIEW)



mm (inches)

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

### FINAL QUALITY INSPECTION

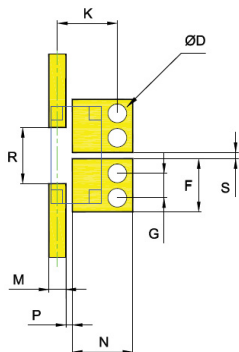
Finished parts are 100% tested for electrical parameters and visual/ mechanical characteristics. Each production lot is evaluated on a sample basis for:

- 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.

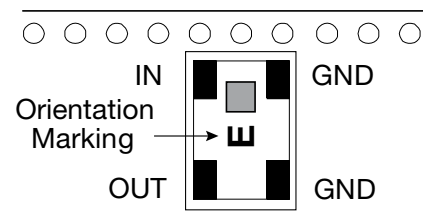
### RECOMMENDED PAD LAYOUT



mm

<b>F</b>	1.70±0.05
<b>G</b>	0.75±0.05
<b>K</b>	1.91±0.10
<b>M</b>	0.54±0.025
<b>N</b>	1.93±0.05
<b>P</b>	0.21±0.04
<b>R</b>	1.80±0.04
<b>S</b>	0.20±0.04
<b>D</b>	0.6±0.1

### TERMINAL AND LAYOUT (TOP VIEW)



# Thin-Film RF/Microwave Filters

## BP1206 Band Pass Filter SMD 8W

### BP1206A6670ASTR

#### ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	6670 MHz
Impedance	50 ohm
I. loss 5905-7450MHz	-1.5dB max.
In-band return loss	-18dB
Rejection in [1000~3000MHz]	-30dBc min.
Rejection in [4900~5120MHz]	-20dBc min
Rejection in [10800~13000MHz]	-35dBc min
Power handling (CW)	8 Watt
Operating temperature range	-40/+105 degC
Package	SMD, standard 1206 size

#### TYPICAL ELECTRICAL PERFORMANCE

