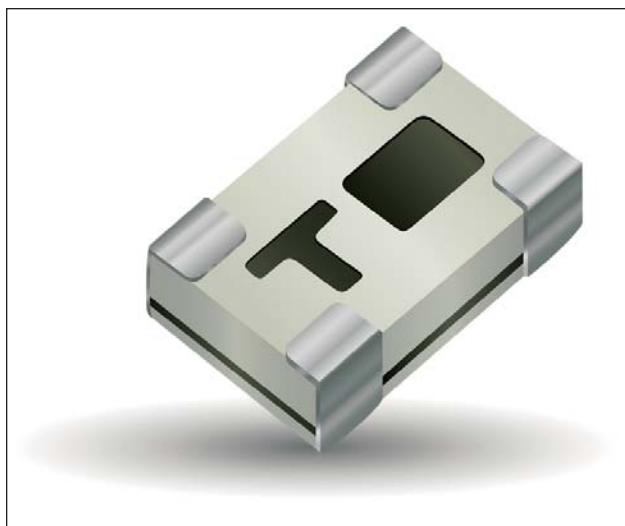


BP0805 Thin Film Band Pass Filter

AVX RF

BP0805A1308ASTR



ITF TECHNOLOGY

The BP0805 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: 0805
- Frequency: 1308MHz
- Band: 1220-1420MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C – +85°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

BP 0805 A 1308 A S TR
T T T T T T T
Series Size Type Frequency Sub-Type Termination Taped & Reeled
(MHz)

FINAL QUALITY INSPECTION

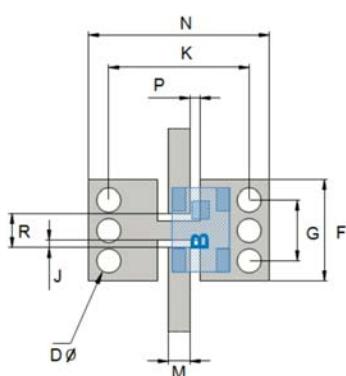
Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

TERMINATION

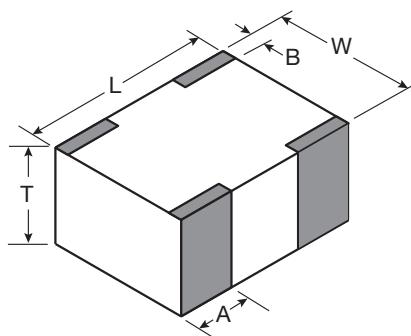
Nickel/ Lead free solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

RECOMMENDED PAD LAYOUT mm



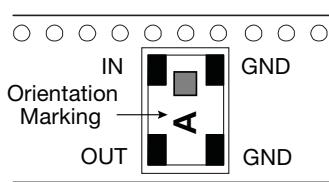
F	2.5±0.05
G	1.5±0.05
J	0.19±0.05
K	3.48±0.05
M	0.54±0.25
N	4.48±0.05
P	0.25±0.05
R	0.85±0.05
D	0.6±0.05

DIMENSIONS (Top View) mm (inches)



L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.80±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 AND LAYOUT (Top View)



BP0805 Thin Film Band Pass Filter

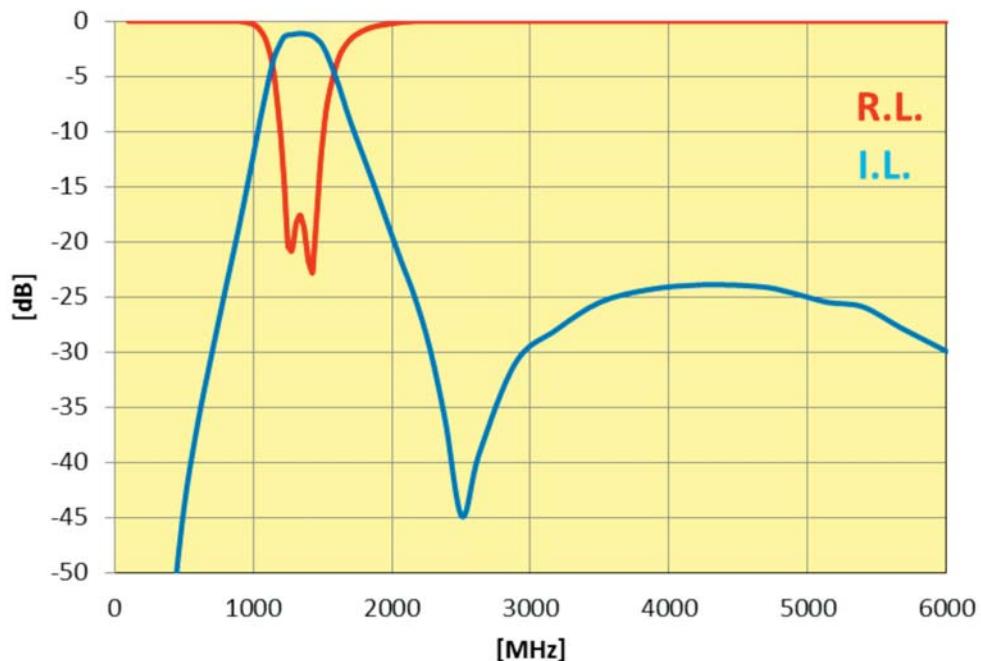
AVX RF

BP0805A1308ASTR

ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	1308 MHz
Impedance	50 Ohm
Band	1220-1420MHz
I. loss at center frequency	1.2dB max.
In-band insertion loss flatness	0.8dB
In-band return loss	12dB
Rejection in [760-945 MHz]	16dbc min.
Rejection in [2920-3105 MHz]	30dbc min
Power handling (CW)	5W
Operating temperature range	-40/+85°C
Package	SMD, standard 0805 size

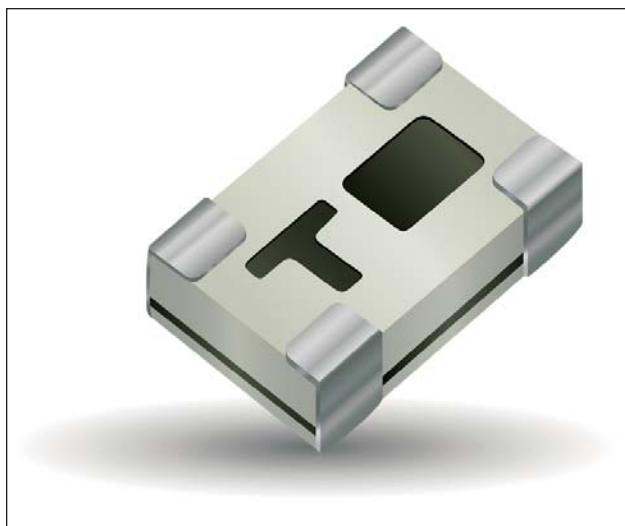
TYPICAL ELECTRICAL PERFORMANCE



BP0805 Thin Film Band Pass Filter

AVX RF

BP0805A1457ASTR



ITF TECHNOLOGY

The BP0805 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: 0805
- Frequency: 1457MHz
- Band: 1447-1467MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C – +85°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

BP 0805 A 1457 A S TR
T T T T T T T
Series Size Type Frequency Sub-Type Termination Taped & Reeled
(MHz)

FINAL QUALITY INSPECTION

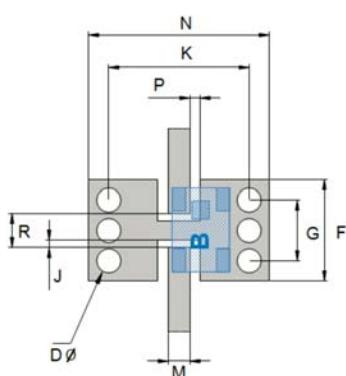
Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

TERMINATION

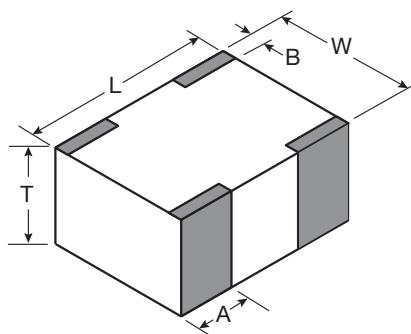
Nickel/ Lead free solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

RECOMMENDED PAD LAYOUT mm



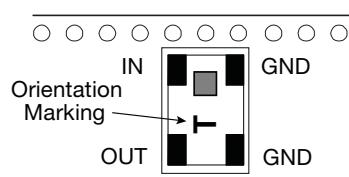
F	2.5±0.05
G	1.5±0.05
J	0.19±0.05
K	3.48±0.05
M	0.54±0.25
N	4.48±0.05
P	0.25±0.05
R	0.85±0.05
D	0.6±0.05

DIMENSIONS (Top View) mm (inches)



L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.80±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 AND LAYOUT (Top View)



BP0805 Thin Film Band Pass Filter

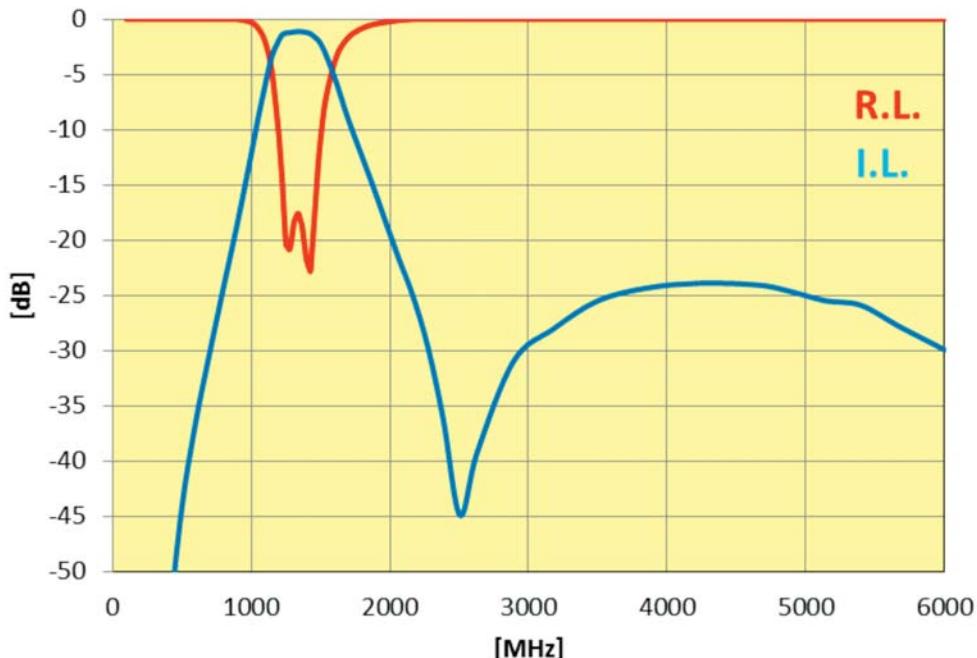
AVX RF

BP0805A1457ASTR

ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	1457 MHz
Impedance	50 Ohm
Band	1447-1467MHz
I. loss 1447-1467MHz	-1.5dB max.
In-band VSWR (return loss)	<1.8 (-11dB)
Rejection 925-960MHz	>=20dB
Rejection in 2110-2170MHz	>=25dB
Rejection in 2300-2400MHz	>=25dB
Rejection in 2500-2690MHz	>=30dB
Rejection 3400-3600MHz	>=30dB
Rejection 5150-5925MHz	>=19dB
Power handling (CW)	5 Watt
Operating temperature range	-40/+85°C
Package	SMD, standard 0805 size

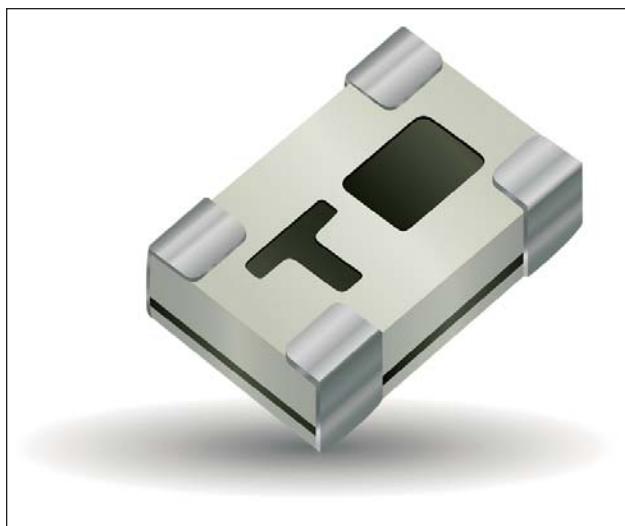
TYPICAL ELECTRICAL PERFORMANCE



BP0805 Thin Film Band Pass Filter

AVX RF

BP0805A1795ASTR



ITF TECHNOLOGY

The BP0805 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: 0805
- Frequency 1795MHz
- Band: 1785-1805MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C – +85°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

BP 0805 A 1795 A S TR
T T T T T T T
Series Size Type Frequency Sub-Type Termination Taped & Reeled
(MHz)

FINAL QUALITY INSPECTION

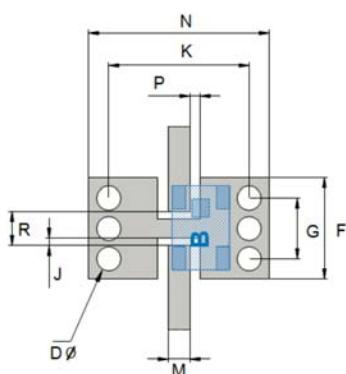
Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

TERMINATION

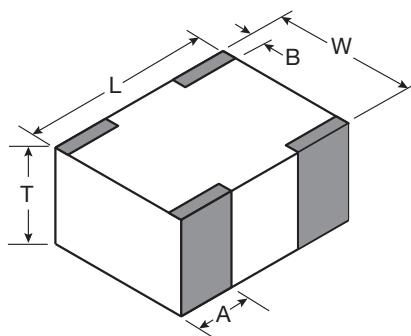
Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

RECOMMENDED PAD LAYOUT mm



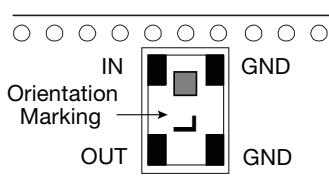
F	2.5±0.05
G	1.5±0.05
J	0.19±0.05
K	3.48±0.05
M	0.54±0.25
N	4.48±0.05
P	0.25±0.05
R	0.85±0.05
D	0.6±0.05

DIMENSIONS (Top View) mm (inches)



L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.80±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 AND LAYOUT (Top View)



BP0805 Thin Film Band Pass Filter

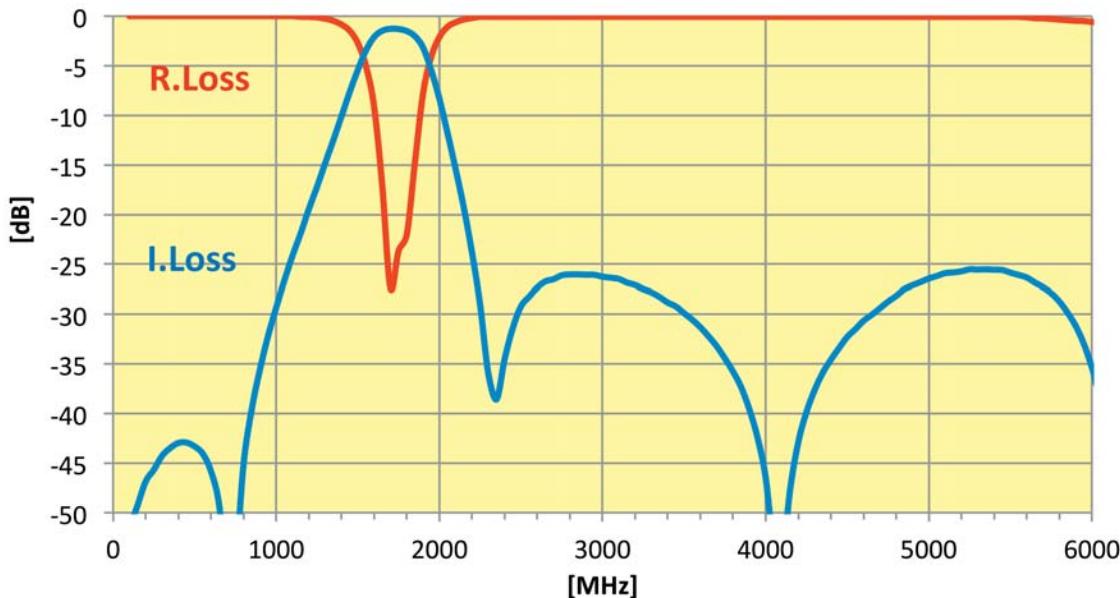
AVX RF

BP0805A1795ASTR

ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	1795 MHz
Impedance	50 Ohm
Band	1785-1805MHz
I. loss in band	-1.8dB max.
Return loss in band	-15dB
Rejection in [869~894MHz]	-30dBC min.
Rejection in [925~960 MHz]	-30dBC min
Rejection in [2300~2400MHz]	-30dBC min
rejection in [2496~2690MHz]	-25dBC min , -30dBC typ
Rejection in [3400~3600MHz]	-25dBC min , -30dBC typ
Rejection in [5150~5925MHz]	-25dBC min , -30dBC typ
Power handling (CW)	5 Watt
Operating temperature range	-40/+85°C
Package	SMD, standard 0805 size

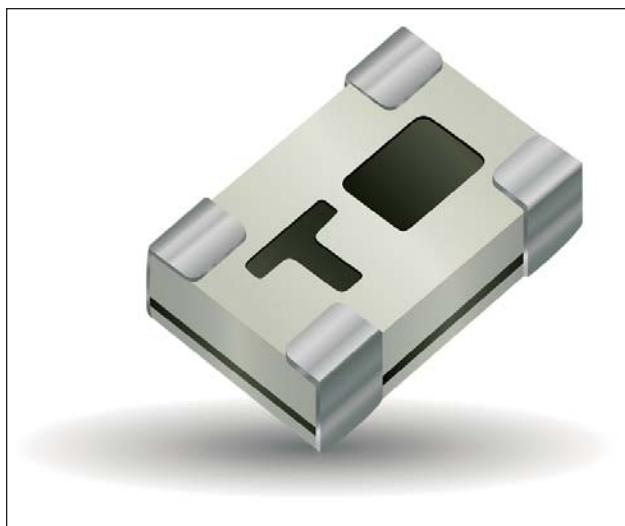
TYPICAL ELECTRICAL PERFORMANCE



BP0805 Thin Film Band Pass Filter

AVX RF

BP0805A2160ASTR



ITF TECHNOLOGY

The BP0805 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: 0805
- Frequency: 2160MHz
- Band: 1960-2360MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C – +85°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

BP 0805 A 2160 A S TR
T T T T T T T T
Series Size Type Frequency Sub-Type Termination Taped & Reeled
(MHz)

FINAL QUALITY INSPECTION

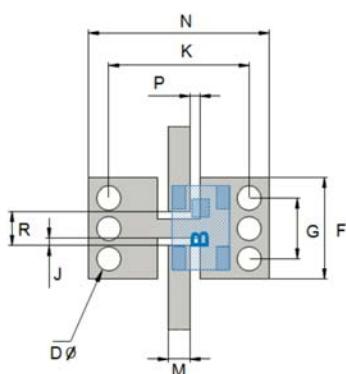
Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

TERMINATION

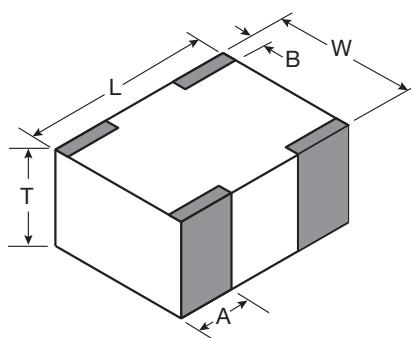
Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

RECOMMENDED PAD LAYOUT mm



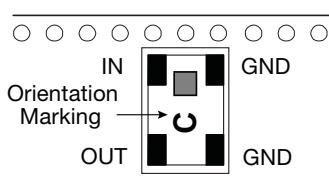
F	2.5±0.05
G	1.5±0.05
J	0.19±0.05
K	3.48±0.05
M	0.54±0.25
N	4.48±0.05
P	0.25±0.05
R	0.85±0.05
D	0.6±0.05

DIMENSIONS (Top View) mm (inches)



L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.80±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 AND LAYOUT (Top View)



BP0805 Thin Film Band Pass Filter

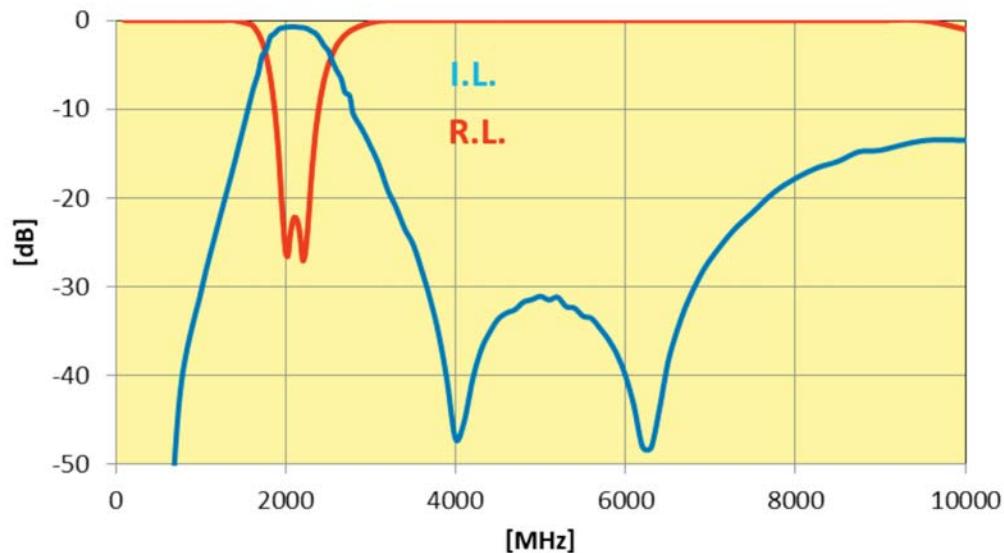
AVX RF

BP0805A2160ASTR

ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	2160 MHz
Impedance	50 Ohm
Band	1960-2360MHz
I. loss at center frequency	0.85dB max
In-band return loss	18dB
Rejection at 440MHz	59dB
Rejection at 4320MHz	42dB
Rejection at 6480MHz	38dB
Power handling (CW)	5W
Operating temperature range	-40/+85°C
Package	SMD, standard 0805 size

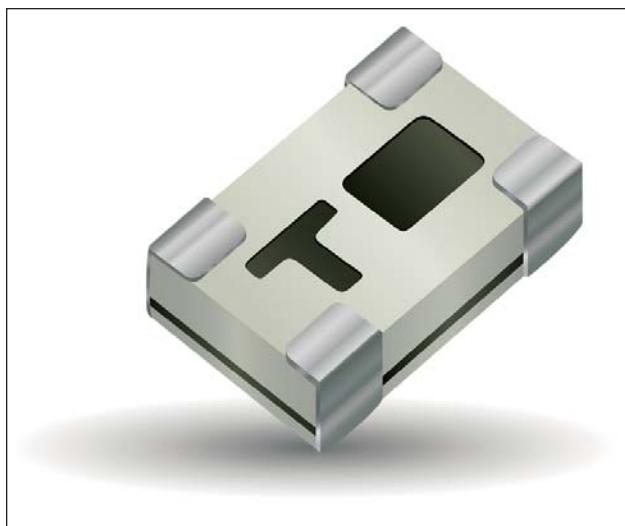
TYPICAL ELECTRICAL PERFORMANCE



BP0805 Thin Film Band Pass Filter

AVX RF

BP0805A4320ASTR



ITF TECHNOLOGY

The BP0805 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: 0805
- Frequency: 4320MHz
- Band: 4120-4520MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C – +85°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

BP 0805 A 4320 A S TR
T T T T T T T
Series Size Type Frequency Sub-Type Termination Taped & Reeled
(MHz)

FINAL QUALITY INSPECTION

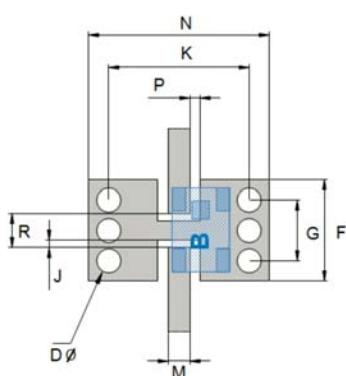
Finished parts are 100% tested for electrical parameters and visual/mechanical characteristics. Each production lot is evaluated on a sample basis for:

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

TERMINATION

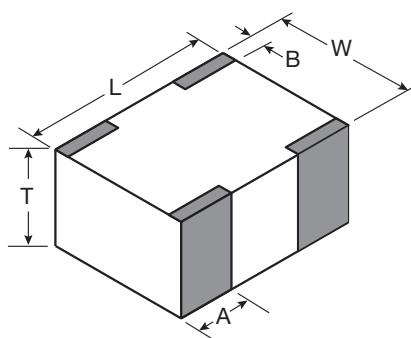
Nickel/ Lead free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

RECOMMENDED PAD LAYOUT mm



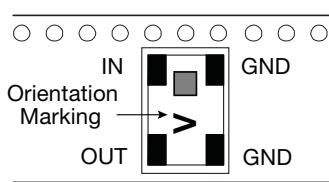
F	2.5±0.05
G	1.5±0.05
J	0.19±0.05
K	3.48±0.05
M	0.54±0.25
N	4.48±0.05
P	0.25±0.05
R	0.85±0.05
D	0.6±0.05

DIMENSIONS (Top View) mm (inches)



L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.80±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 AND LAYOUT (Top View)



BP0805 Thin Film Band Pass Filter

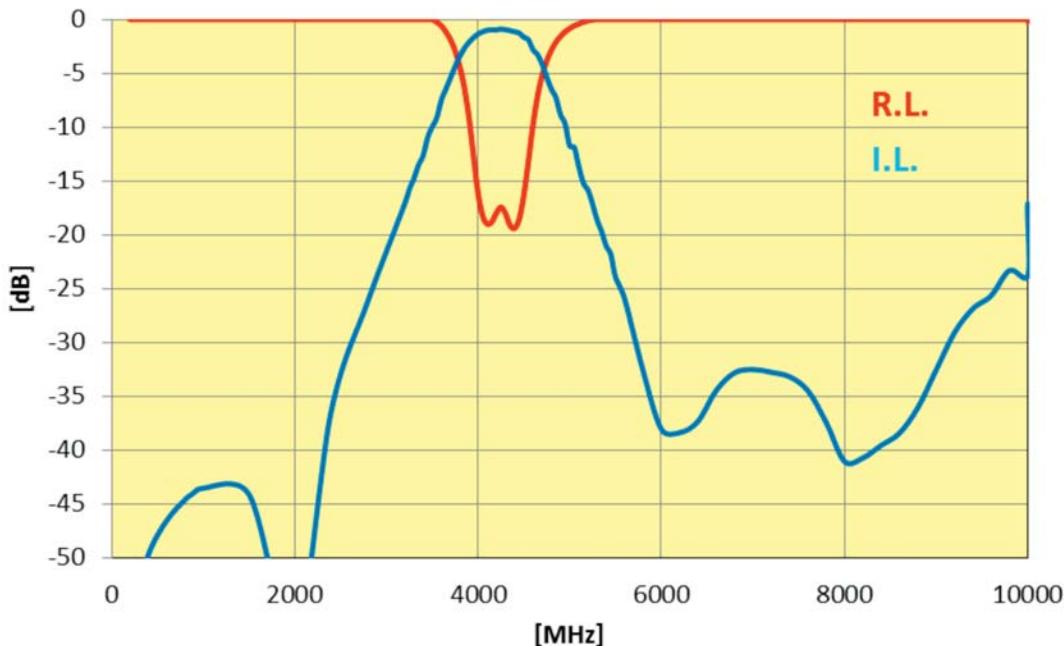
AVX RF

BP0805A4320ASTR

ELECTRICAL CHARACTERISTICS

Description	Value
Center frequency	4320 MHz
Impedance	50 Ohm
Band	4120-4520MHz
I. loss at center frequency	1.2dB max
R loss at center frequency	15dB
Rejection at 2160MHz	45dBc min
Rejection at 6480MHz	39dBc min
Rejection at 8640MHz	44dBc min
Power handling (CW)	5W
Operating temperature range	-40/+85°C
Package	SMD, standard 0805

TYPICAL ELECTRICAL PERFORMANCE





OCEAN CHIPS

Океан Электроники

Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибутором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибутором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А