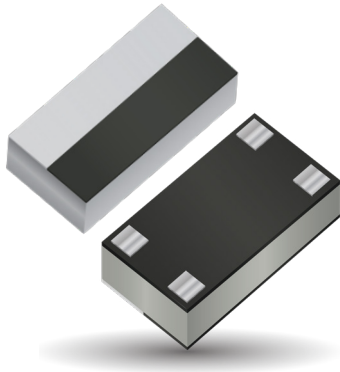


Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

LP0805H5000ANTR – LGA Termination



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
- Frequency: 5000MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS

- WiFi
- Base Stations.
- Mobile communications
- Satellite TV receivers
- Vehicle location systems
- Wireless LAN's
- 5G Application

HOW TO ORDER

LP	0805	H	5000	A	N	TR
Series	Size	Type	Frequency (MHz)	Sub-Type	Termination LGA SN100	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, I_R, 4 hours

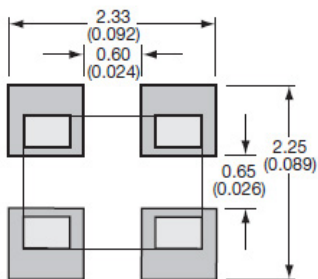
TERMINATION

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

POWER RATING

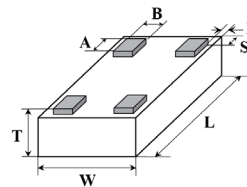
8W Continuous

RECOMMENDED PAD LAYOUT: (mm)



DIMENSIONS: mm (inches)

(Bottom View)

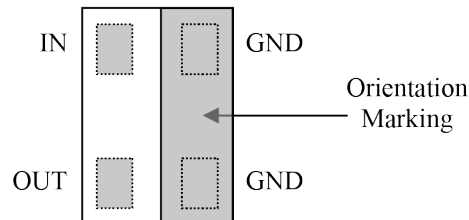


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	1.02±0.1 (0.040±0.004)

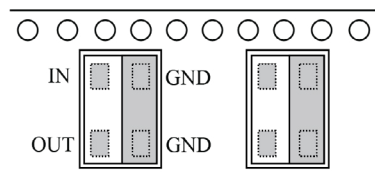
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H,S	0.05±0.05 (0.002±0.002)

TERMINALS:

(Top View)



ORIENTATION IN TAPE



Thin-Film RF/Microwave Filters

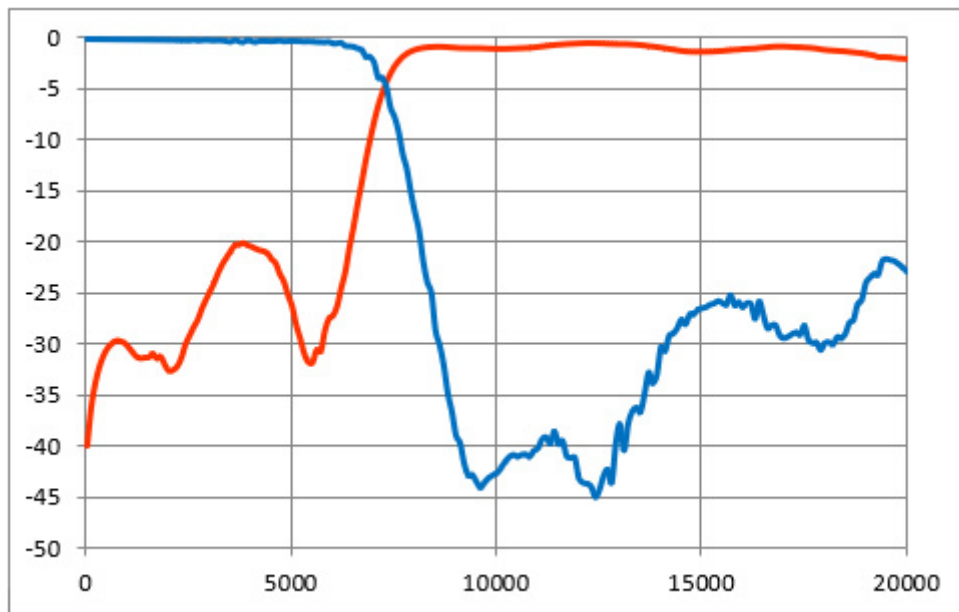
High Performance Low Pass Filters

LP0805H5000ANTR – LGA Termination

ELECTRICAL CHARACTERISTICS

LP0805H5000ANTR			
Parameter	Value	Unit	Notes
Insertion Loss @5000 MHz	-0.5	dB	
Return Loss @5000 MHz	-12	dB	
Rejection @ 10000 MHz	-33	dB	
Rejection @ 15000 MHz	-20	dB	
Power Handling	8	W	Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	°C	
Size	0805		

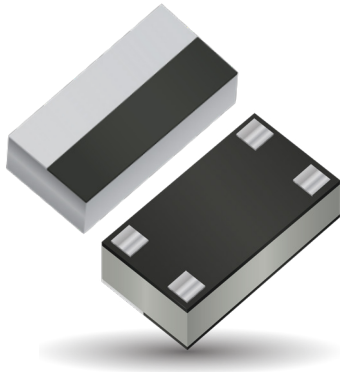
TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

LP0805H5200ANTR – LGA Termination



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
- Frequency: 5200MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS

- WiFi
- Base Stations.
- Mobile communications
- Satellite TV receivers
- Vehicle location systems
- Wireless LAN's
- 5G Application

HOW TO ORDER

LP	0805	H	5200	A	N	TR
Series	Size	Type	Frequency (MHz)	Sub-Type	Termination LGA SN100	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, I_R, 4 hours

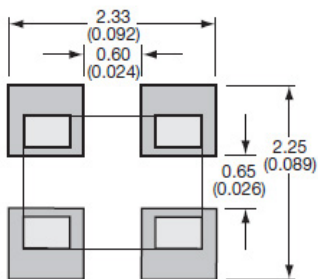
TERMINATION

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

POWER RATING

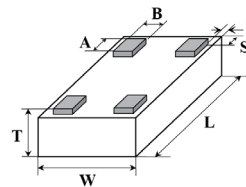
8W Continuous

RECOMMENDED PAD LAYOUT: (mm)



DIMENSIONS: mm (inches)

(Bottom View)

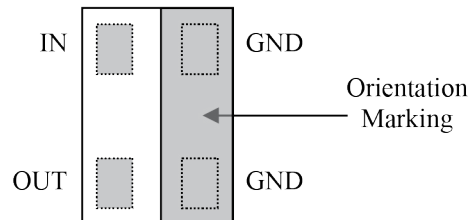


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	1.02±0.1 (0.040±0.004)

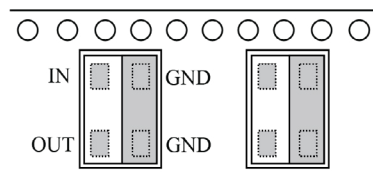
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H,S	0.05±0.05 (0.002±0.002)

TERMINALS:

(Top View)



ORIENTATION IN TAPE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

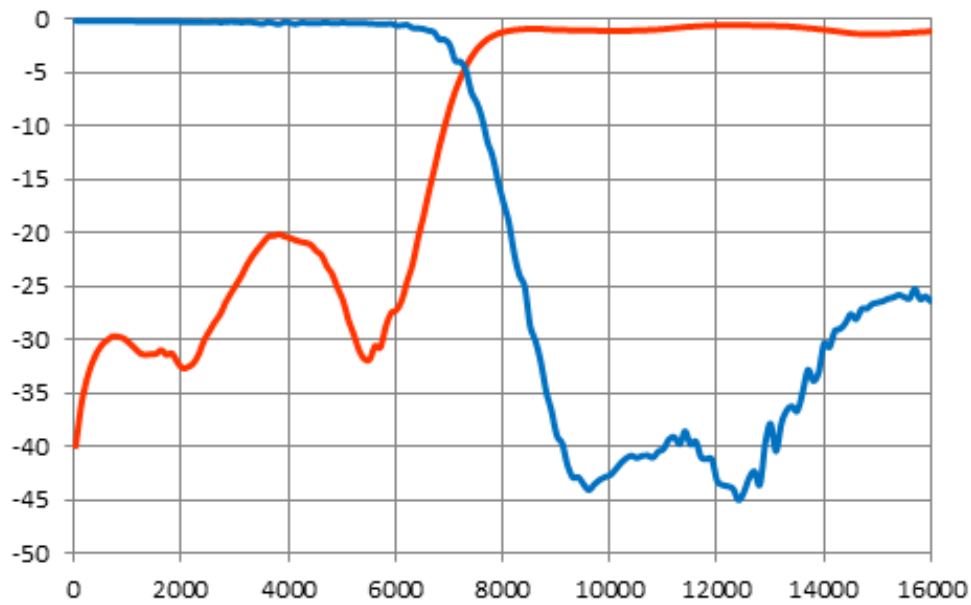
LP0805H5200ANTR – LGA Termination



ELECTRICAL CHARACTERISTICS

LP0805H5200ANTR			
Parameter	Value	Unit	Notes
Insertion Loss @5200 MHz	-0.5	dB	
Return Loss @5200 MHz	-12	dB	
Rejection @ 10400 MHz	-30	dB	
Rejection @ 15600 MHz	-20	dB	
Power Handling	8	W	Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	°C	
Size	0805		

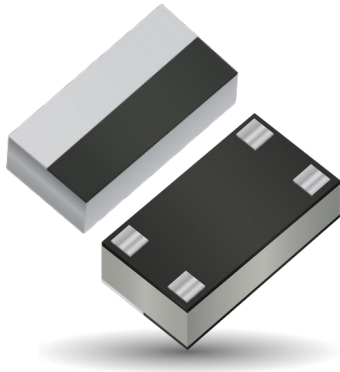
TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

LP0805H5400ANTR – LGA Termination



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
- Frequency: 5400MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS

- WiFi
- Base Stations.
- Mobile communications
- Satellite TV receivers
- Vehicle location systems
- Wireless LAN's
- 5G Application

HOW TO ORDER

LP	0805	H	5400	A	N	TR
Series	Size	Type	Frequency (MHz)	Sub-Type	Termination LGA SN100	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, I_R, 4 hours

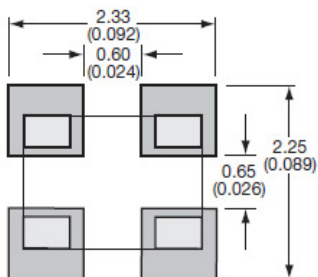
TERMINATION

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

POWER RATING

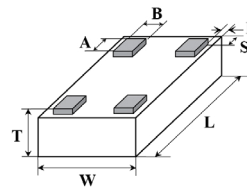
8W Continuous

RECOMMENDED PAD LAYOUT: (mm)



DIMENSIONS: mm (inches)

(Bottom View)

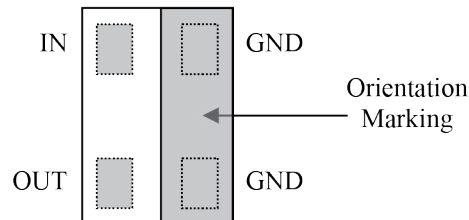


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	1.02±0.1 (0.040±0.004)

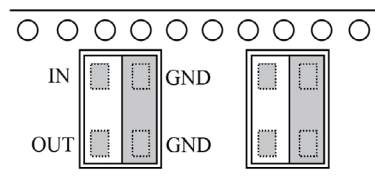
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H,S	0.05±0.05 (0.002±0.002)

TERMINALS:

(Top View)



ORIENTATION IN TAPE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

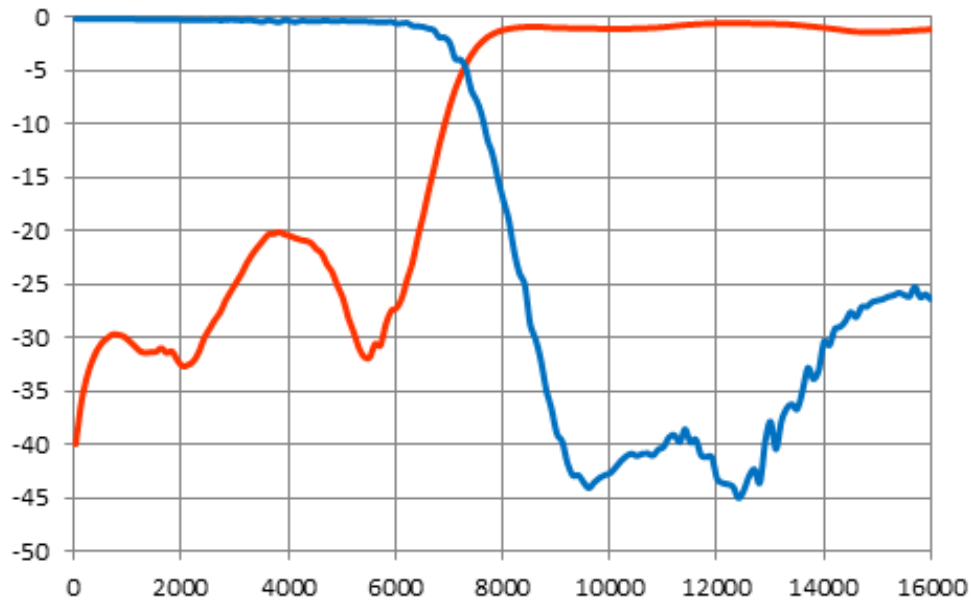
LP0805H5400ANTR – LGA Termination



ELECTRICAL CHARACTERISTICS

LP0805H5400ANTR			
Parameter	Value	Unit	Notes
Insertion Loss @5400 MHz	-0.7	dB	
Return Loss @5400 MHz	-12	dB	
Rejection @ 10800 MHz	-30	dB	
Rejection @ 16000 MHz	-20	dB	
Power Handling	8	W	Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	°C	
Size	0805		

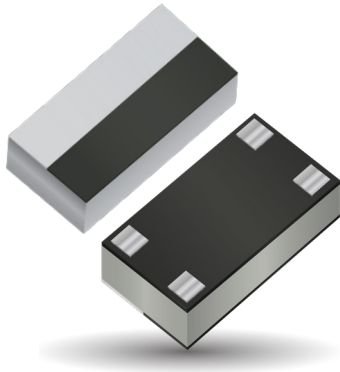
TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

LP0805H5500ANTR – LGA Termination



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
- Frequency: 5500MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS

- WiFi
- Base Stations.
- Mobile communications
- Satellite TV receivers
- Vehicle location systems
- Wireless LAN's
- 5G Application

HOW TO ORDER

LP	0805	H	5500	A	N	TR
Series	Size	Type	Frequency (MHz)	Sub-Type	Termination LGA SN100	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, I_R, 4 hours

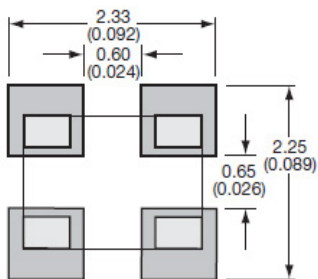
TERMINATION

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

POWER RATING

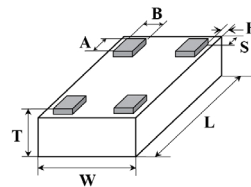
8W Continuous

RECOMMENDED PAD LAYOUT: (mm)



DIMENSIONS: mm (inches)

(Bottom View)

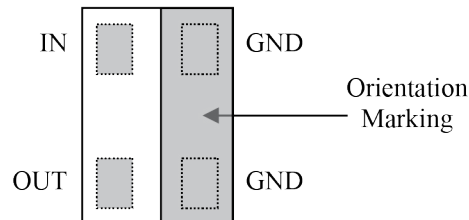


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	1.02±0.1 (0.040±0.004)

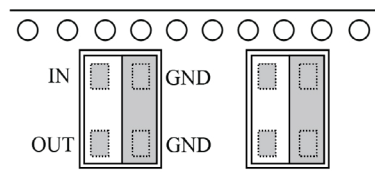
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H,S	0.05±0.05 (0.002±0.002)

TERMINALS:

(Top View)



ORIENTATION IN TAPE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

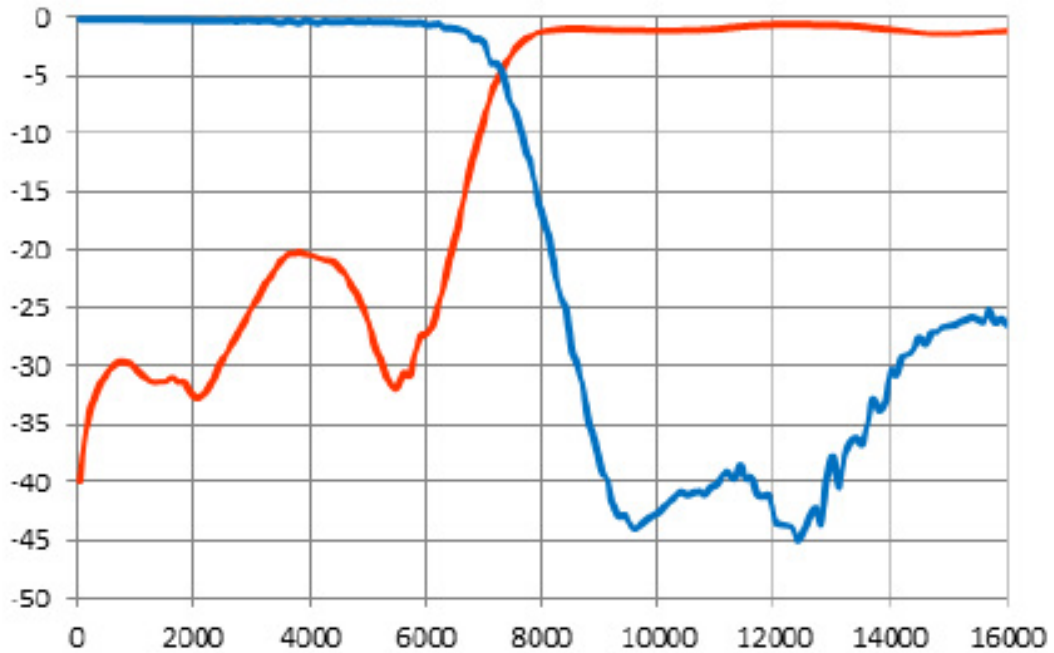
LP0805H5500ANTR – LGA Termination



ELECTRICAL CHARACTERISTICS

LP0805H5500ANTR			
Parameter	Value	Unit	Notes
Insertion Loss @5500 MHz	-0.6	dB	
Return Loss @5500 MHz	-12	dB	
Rejection @ 11000 MHz	-30	dB	
Rejection @ 16500 MHz	-20	dB	
Power Handling	8	W	Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	°C	
Size	0805		

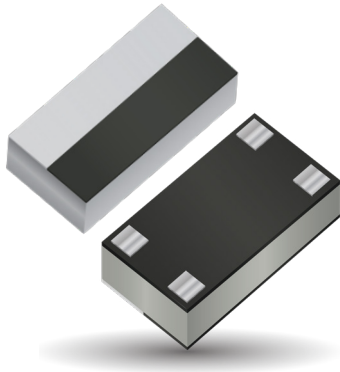
TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

LP0805H5600ANTR – LGA Termination



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
- Frequency: 5600MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS

- WiFi
- Base Stations.
- Mobile communications
- Satellite TV receivers
- Vehicle location systems
- Wireless LAN's
- 5G Application

HOW TO ORDER

LP	0805	H	5600	A	N	TR
Series	Size	Type	Frequency (MHz)	Sub-Type	Termination LGA SN100	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, I_R, 4 hours

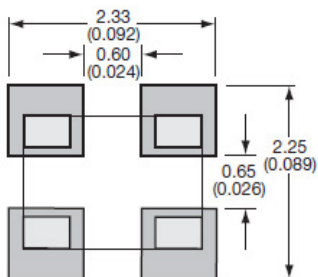
TERMINATION

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

POWER RATING

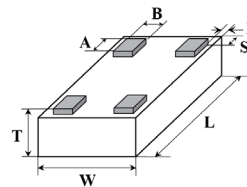
8W Continuous

RECOMMENDED PAD LAYOUT: (mm)



DIMENSIONS: mm (inches)

(Bottom View)

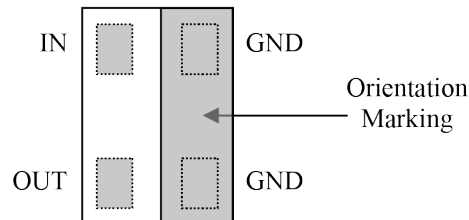


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	1.02±0.1 (0.040±0.004)

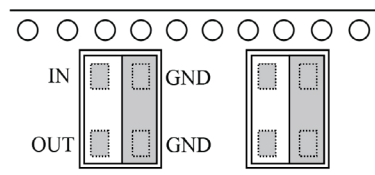
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H,S	0.05±0.05 (0.002±0.002)

TERMINALS:

(Top View)



ORIENTATION IN TAPE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

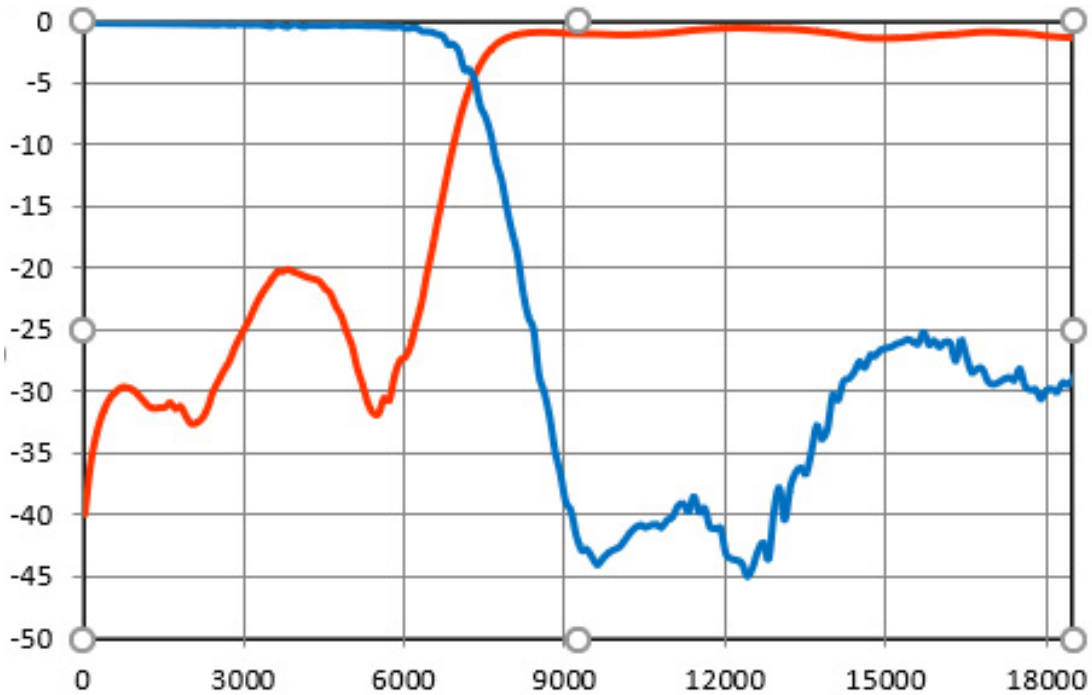
LP0805H5600ANTR – LGA Termination



ELECTRICAL CHARACTERISTICS

LP0805H5600ANTR			
Parameter	Value	Unit	Notes
Insertion Loss @5600 MHz	-0.6	dB	
Return Loss @5600 MHz	-12	dB	
Rejection @ 11200 MHz	-25	dB	
Rejection @ 16800 MHz	-20	dB	
Power Handling	8	W	Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	°C	
Size	0805		

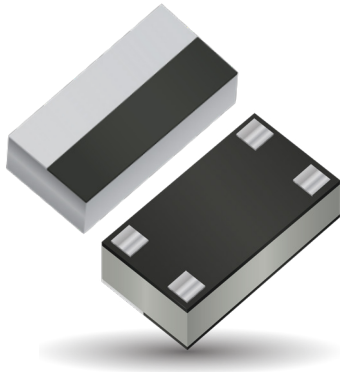
TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

LP0805H5800ANTR – LGA Termination



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
- Frequency: 5800MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS

- WiFi
- Base Stations.
- Mobile communications
- Satellite TV receivers
- Vehicle location systems
- Wireless LAN's
- 5G Application

HOW TO ORDER

LP	0805	H	5800	A	N	TR
Series	Size	Type	Frequency (MHz)	Sub-Type	Termination LGA SN100	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, I_R, 4 hours

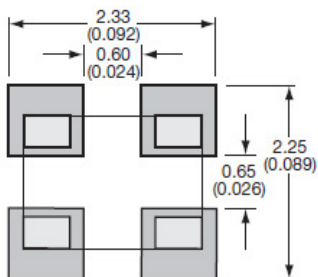
TERMINATION

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

POWER RATING

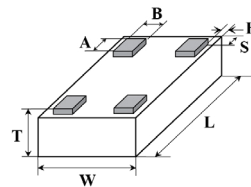
8W Continuous

RECOMMENDED PAD LAYOUT: (mm)



DIMENSIONS: mm (inches)

(Bottom View)

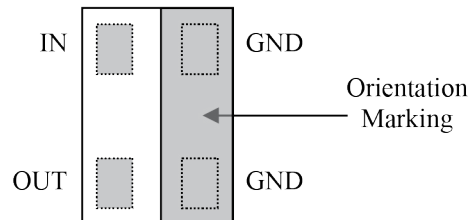


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	1.02±0.1 (0.040±0.004)

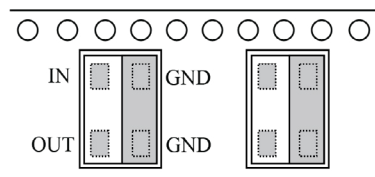
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H,S	0.05±0.05 (0.002±0.002)

TERMINALS:

(Top View)



ORIENTATION IN TAPE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

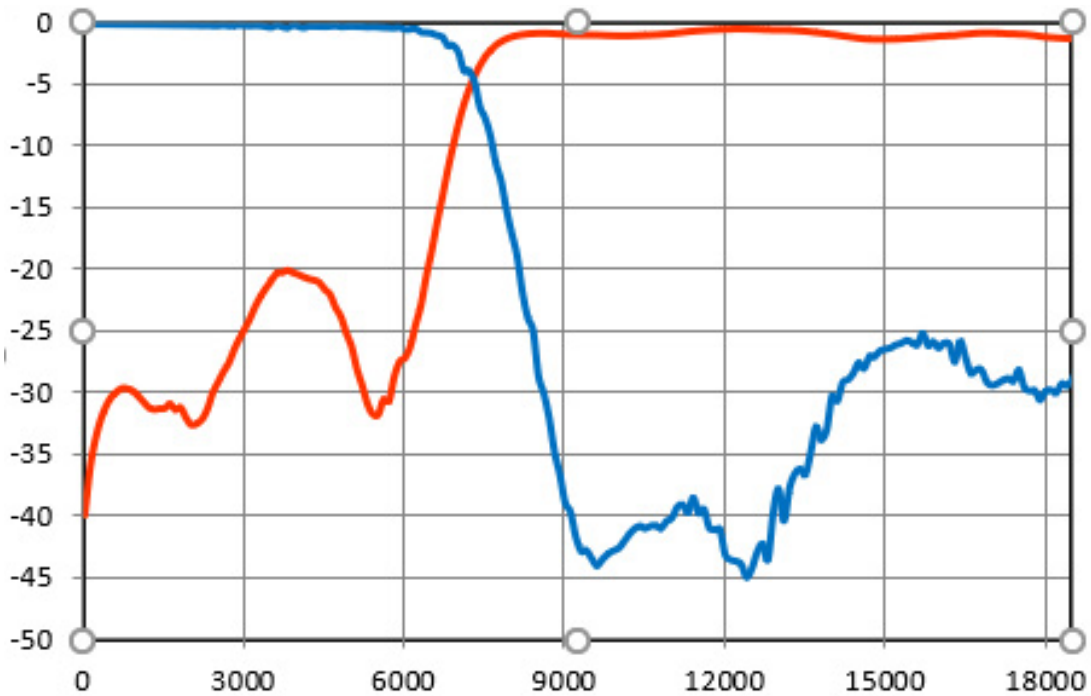
LP0805H5800ANTR – LGA Termination



ELECTRICAL CHARACTERISTICS

LP0805H5800ANTR			
Parameter	Value	Unit	Notes
Insertion Loss @5800 MHz	-0.7	dB	
Return Loss @5800 MHz	-12	dB	
Rejection @ 11600 MHz	-28	dB	
Rejection @ 17400 MHz	-20	dB	
Power Handling	8	W	Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	°C	
Size	0805		

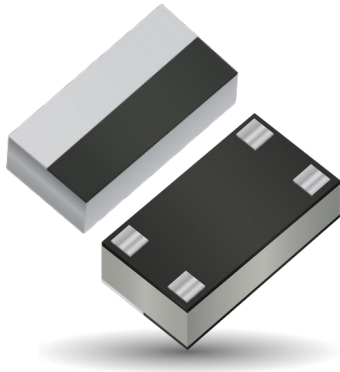
TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

LP0805H6000ANTR – LGA Termination



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.

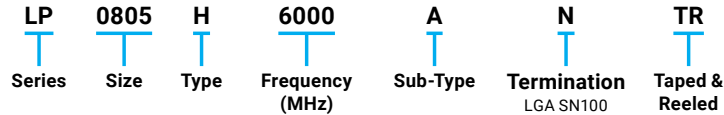
FEATURES

- Small size: 0805
- Frequency: 6000MHz
- Characteristic impedance: 50Ω
- Operating / Storage temp: -40°C ÷ +85°C
- Low profile
- Rugged construction
- Taped and reeled
- RoHS compliant

APPLICATIONS

- WiFi
- Base Stations.
- Mobile communications
- Satellite TV receivers
- Vehicle location systems
- Wireless LAN's
- 5G Application

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, I_R, 4 hours

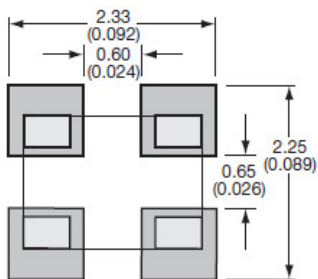
TERMINATION

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

POWER RATING

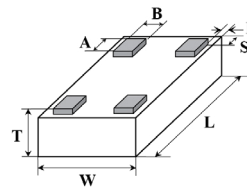
8W Continuous

RECOMMENDED PAD LAYOUT: (mm)



DIMENSIONS: mm (inches)

(Bottom View)

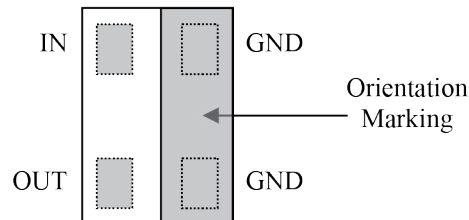


L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	1.02±0.1 (0.040±0.004)

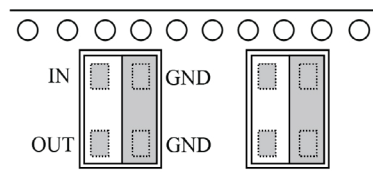
A	0.39±0.10 (0.015±0.004)
B	0.33±0.10 (0.013±0.004)
H,S	0.05±0.05 (0.002±0.002)

TERMINALS:

(Top View)



ORIENTATION IN TAPE



Thin-Film RF/Microwave Filters

High Performance Low Pass Filters

LP0805H6000ANTR – LGA Termination



ELECTRICAL CHARACTERISTICS

LP0805H6000ANTR			
Parameter	Value	Unit	Notes
Insertion Loss @6000 MHz	-0.7	dB	
Return Loss @6000 MHz	-12	dB	
Rejection @ 12000 MHZ	-30	dB	
Rejection @ 18000 MHz	-20	dB	
Power Handling	8	W	Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	°C	
Size	0805		

TYPICAL ELECTRICAL PERFORMANCE

