Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H0400ASTR – SMD Termination





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: 0805
- Frequency: 400MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- · Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

HOW TO ORDER



DIMENSIONS (TOP VIEW)





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_p, 4 hours

TERMINATION

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











P/N	Frequency	I.Loss @ 400MHz	R.Loss @ 400MHz	Attenuation
LP0805H0400ASTR	400MHz	-0.6dB max.	-15dB	-30dB at 800MHz -20dB at 1200MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H0420ASTR – SMD Termination





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: 0805
- Frequency: 420MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

HOW TO ORDER



DIMENSIONS (TOP VIEW)





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_p, 4 hours

TERMINATION

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



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Orio	enta	atio	n						
IVI	drki	ng			ω				
		οι	JT				GN	D	







P/N	Frequency	I.Loss @ 420MHz	R.Loss @ 420MHz	Attenuation
LP0805H0420ASTR	420MHz	-0.6dB max.	-15dB	-30dB at 840MHz -20dB at 1260MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H0450ASTR – SMD Termination





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: 0805
- Frequency: 450MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

HOW TO ORDER



DIMENSIONS (TOP VIEW)





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_p, 4 hours

TERMINATION

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

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TERMINALS AND LAYOUT (TOP VIEW)





G	0.54	
N	0.85	
E	0.63	
S	1.5	
F	2.5	
ĸ	1.5	
Р	1.0	
Ľ	0.5	
D	Ø0.6	



P/N	Frequency	I.Loss @ 450MHz	R.Loss @ 450MHz	Attenuation
LP0805H0450ASTR	450MHz	-0.6dB max.	-15dB	-28dB at 900MHz -20dB at 1350MHz

TYPICAL ELECTRICAL PERFORMANCE







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: 0805
- Frequency: 470MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- · Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

HOW TO ORDER



DIMENSIONS (TOP VIEW)





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.











P/N	Frequency	I.Loss @ 470MHz	R.Loss @ 470MHz	Attenuation
LP0805H0470ASTR	470MHz	-0.7dB max.	-15dB	-28dB at 940MHz -20dB at 1410MHz

TYPICAL ELECTRICAL PERFORMANCE







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: 0805
- Frequency: 512MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

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

HOW TO ORDER



DIMENSIONS (TOP VIEW)





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.









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P/N	Frequency	I.Loss @ 512MHz	R.Loss @ 512MHz	Attenuation
LP0805H0512ASTR	512MHz	-0.75dB max.	-12dB	-35dB at 1024MHz -40dB at 1536MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H0700ASTR – SMD Termination





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: 0805
- Frequency: 700MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_P, 4 hours

TERMINATION

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



E	2.50±0.05
F	(0.098±0.002)
G	1.50±0.05
G	(0.059±0.002)
	0.19±0.05
J	(0.007±0.002)
ĸ	3.48±0.05
ĸ	(0.137±0.002)
54	0.54±0.25
IVI	(0.021±0.010)
N	4.48±0.05
IN	(0.776±0.002)
р	0.25±0.05
F	(0.010±0.002)
Р	0.85±0.05
ĸ	(0.033±0.002)
	0.60+0.05
D	(0.024+0.002)
	(0.02.120.002)

DIMENSIONS (TOP VIEW)





TERMINALS AND LAYOUT (TOP VIEW)





P/N	Frequency	I.Loss @ 700MHz	R.Loss @ 700MHz	Attenuation
LP0805H0700ASTR	700MHz	-0.4dB max.	-20dB	-35dB at 1400MHz -30dB at 2100MHz -30dB at 2800MHz

TYPICAL ELECTRICAL PERFORMANCE



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Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H0750ASTR – SMD Termination





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: 0805
- Characteristic impedance: 50Ω
- Frequency band: Band 13 746-756MHz
- 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





ROHS COMPLIANT

TR

DIMENSIONS (TOP VIEW)



mm (inches)		
	2.03±0.10	
L	(0.080±0.004)	
14/	1.55±0.10	
vv	(0.061±0.004)	
т	0.80±0.25	
•	(0.031±0.010)	
^	0.56±0.10	
A	(0.022±0.004)	
В	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, I_R, 4 hours

TERMINATION

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

TERMINALS AND LAYOUT (TOP VIEW)



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- RE MICROWAVE PRODUCTS -



Part Number	Frequency	I.Loss	VSWR	Attenuation
	(MHz)	max	max.	(dB)
LP0805H0750ASTR	Band 13 DL (746-756MHz)	-0.4dB	1.7	2d Harmonic 1492-1512MHz: -37dB 3d Harmonic 2238-2268MHz: -33dB

TYPICAL ELECTRICAL PERFORMANCE



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Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H0780ASTR – SMD Termination





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: 0805
- Frequency: 780MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_p, 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)



E	2.50±0.05
F	(0.098±0.002)
~	1.50±0.05
G	(0.059±0.002)
	0.19±0.05
J	(0.007±0.002)
ĸ	3.48±0.05
n	(0.137±0.002)
M	0.54±0.25
IVI	(0.021±0.010)
N	4.48±0.05
IN	(0.776±0.002)
Р	0.25±0.05
P	(0.010±0.002)
R	0.85±0.05
	(0.033±0.002)
D	0.60±0.05
U	(0.024±0.002)



DIMENSIONS (TOP VIEW)

mm (inches)

L	2.03±0.10 (0.080±0.004)
w	1.55±0.10 (0.061±0.004)
т	0.80±0.10 (0.031±0.004)
Α	0.56±0.25 (0.022±0.010)
в	0.35±0.15 (0.014±0.006)

TERMINALS AND LAYOUT (TOP VIEW)





P/N	I.Loss @ 780MHz	R.Loss @ 780MHz	Attenuation
LP0805H0780ASTR	-0.4dB max.	-20dB	-35dB at 1560MHz -40dB at 2340MHz -20dB at 3120MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H0942ASTR – SMD Termination





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.

DIMENSIONS (TOP VIEW)

FEATURES

- Small size: 0805
- Frequency: 942MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_P, 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	2.50±0.05 (0.098±0.002)
G	1.50±0.05 (0.059±0.002)
J	0.19±0.05 (0.007±0.002)
к	3.48±0.05 (0.137±0.002)
м	0.54±0.25 (0.021±0.010)
N	4.48±0.05 (0.776±0.002)
Р	0.25±0.05 (0.010±0.002)
R	0.85±0.05 (0.033±0.002)
D	0.60±0.05 (0.024±0.002)

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TERMINALS AND LAYOUT (TOP VIEW)





P/N	I.Loss @ 942MHz	R.Loss @ 942MHz	Attenuation
LP0805H0942ASTR	-0.4dB max.	-20dB	-35dB at 1884MHz -40dB at 2826MHz -35dB at 3768MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H1000ASTR – SMD Termination





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: 0805
- Frequency: 1000MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_P, 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)







DIMENSIONS (TOP VIEW)

•	,
	2.03±0.10
-	(0.080±0.004
w	1.55±0.10

mm (inches)

	· /
w	1.55±0.10
VV	(0.061±0.004)
т	0.80±0.10
	(0.031±0.004)
•	0.56±0.25
A	(0.022±0.010)
Р	0.35±0.15
В	(0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)





P/N	I.Loss @ 1000MHz	R.Loss @ 1000MHz	Attenuation
LP0805H1000ASTR	-0.7dB max.	-20dB	-35dB at 2000MHz -40dB at 3000MHz -35dB at 4000MHz -30dB at 5000MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H1250ASTR – SMD Termination





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.

DIMENSIONS (TOP VIEW)

FEATURES

- Small size: 0805
- Frequency: 1250MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_D, 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)



TERMINAL AND LAYOUT (TOP VIEW)

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mm (inches)

 	-
L	2.03±0.10 (0.080±0.004)
w	1.55±0.10 (0.061±0.004)
т	0.80±0.10 (0.031±0.004)
A	0.56±0.25 (0.022±0.010)
в	0.35±0.15 (0.014±0.006)



P/N	I.Loss @1250MHz	R.Loss @ 1250MHz	Attenuation
LP0805H1250ASTR	-0.7dB max.	-25dB	-20dB at 1750MHz -35dB at 2500MHz -40dB at 3750MHz -30dB at 5000MHz

TYPICAL ELECTRICAL PERFORMANCE



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Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H1800ASTR – SMD Termination





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.

DIMENSIONS (TOP VIEW)

FEATURES

- Small size: 0805
- Frequency: 1800MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_D, 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)





TERMINAL AND LAYOUT (TOP VIEW)

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		οι	JT				GN	D	



F	2.50±0.05 (0.098±0.002)
G	1.50±0.05 (0.059±0.002)
J	0.19±0.05 (0.007±0.002)
к	3.48±0.05 (0.137±0.002)
М	0.54±0.25 (0.021±0.010)
Ν	4.48±0.05 (0.776±0.002)
Ρ	0.25±0.05 (0.010±0.002)
R	0.85±0.05 (0.033±0.002)
D	0.60±0.05 (0.024±0.002)



P/N	Frequency	I.Loss @1800MHz	R.Loss @ 1800MHz	Attenuation
LP0805H1800ASTR	1800MHz	-0.8dB max.	-25dB	-35dB at 2520MHz -35dB at 3600MHz -25dB at 5400MHz

TYPICAL ELECTRICAL PERFORMANCE



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Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H1900ASTR – SMD Termination





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.

DIMENSIONS (TOP VIEW)

FEATURES

- Small size: 0805
- Frequency: 1900MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_D, 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)





TERMINAL AND LAYOUT (TOP VIEW)

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Ivia	IKII	١y			ш				
		οι	JT				GN	D	







P/N	Frequency	I.Loss @1900MHz	R.Loss @ 1900MHz	Attenuation
LP0805H1900ASTR	1900MHz	-0.75dB max.	-20dB	-35dB at 2660MHz -35dB at 3800MHz -25dB at 5700MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H2400ASTR – SMD Termination





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.

DIMENSIONS (TOP VIEW)

FEATURES

- Small size: 0805
- Frequency: 1900MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

- Mobile communications
- Satellite TV receivers
- GPS

R

- 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, I_D, 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)





TERMINAL AND LAYOUT (TOP VIEW)

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		GN	D	
	- 7			
	_ ב			
		GN	D	







P/N	Frequency	I.Loss @2500MHz	R.Loss @ 2500MHz	Attenuation
LP0805H2400ASTR	2400MHz	-0.9dB max.	-30dB	-30dB at 3360MHz -25dB at 4800MHz -30dB at 7200MHz

TYPICAL ELECTRICAL PERFORMANCE



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

Thin-Film RF/Microwave Filters Low Pass 0805 High Performance Low Pass Filter LP0805H2500ASTR – SMD Termination





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.

DIMENSIONS (TOP VIEW)

FEATURES

- Small size: 0805
- Frequency: 2500MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

APPLICATIONS

- Mobile communications
- Satellite TV receivers
- GPS

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- 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, I_D, 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)





(0.014±0.006)

TERMINAL AND LAYOUT (TOP VIEW)

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	IN				GN	D	
Orientati	on						
Markin	9		0				
C	DUT				GN	D	







P/N	I.Loss @2500MHz	R.Loss @ 2500MHz	Attenuation
LP0805H2500ASTR	-0.8dB max.	-15dB	-28dB at 4000-6000MHz -20dB at 6001-8000MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance Low Pass Filter LP0805H2600ASTR – SMD Termination





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.

DIMENSIONS (TOP VIEW)

FEATURES

- Small size: 0805
- Frequency: 2600MHz
- Sharp attenuation slope
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C

т

- 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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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.

RECOMMENDED PAD LAYOUT:

mm (inches)



TERMINAL AND LAYOUT (TOP VIEW)

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mm (inches)

	2.0020.10
L	(0.080±0.004)
w	1.55±0.10
	(0.001±0.004)
Т	0.80±0.10 (0.031±0.004)
Α	0.56±0.25 (0.022±0.010)
В	0.35±0.15 (0.014±0.006)

Thin-Film RF/Microwave Filters Low Pass 0805 High Performance Low Pass Filter LP0805H2600ASTR – SMD Termination



ELECTRICAL CHARACTERISTICS

P/N	I.Loss @2600MHz	R.Loss @ 2600MHz	Attenuation
LP0805H2600ASTR	-0.9dB max.	-15dB	-28dB at 4000-6000MHz -20dB at 6001-8000MHz

TYPICAL ELECTRICAL PERFORMANCE



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Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H2900ASTR – SMD Termination





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.

DIMENSIONS (TOP VIEW)

FEATURES

- Frequency: 1700-2900MHz
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_D, 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)



E	2.50±0.05
- F	(0.098±0.002)
G	1.50±0.05
	(0.059±0.002)
	0.19±0.05
J	(0.007±0.002)
ĸ	3.48±0.05
r	(0.137±0.002)
	0.54±0.25
IVI	(0.021±0.010)
N	4.48±0.05
N	(0.776±0.002)
Р	0.25±0.05
2	(0.010±0.002)
Р	0.85±0.05
ĸ	(0.033±0.002)
D	0.60±0.05
5	(0.024±0.002)

TERMINAL AND LAYOUT (TOP VIEW)



mm (inches)						
L	2.03±0.10 (0.080+0.004)					
w	W 1.55±0.10 (0.061±0.004)					
т	0.80±0.10 (0.031±0.004)					
Α	0.56±0.25 (0.022±0.010)					
В	0.35±0.15 (0.014±0.006)					

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P/N	Frequency	I.Loss @2900MHz	R.Loss @ 2900MHz	Attenuation
LP0805H2900ASTR	2900MHz	-1dB max.	-20dB	-30dB at 4060MHz -30dB at 5800MHz -35dB at 6500MHz

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H3500ASTR – SMD Termination



mm (inches)

L

w

т

Α

В

2.03±0.10

(0.080±0.004) 1.55±0.10

(0.061±0.004)

0.80±0.10

(0.031±0.004) 0.56±0.25

(0.022±0.010) 0.35±0.15

(0.014±0.006)



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.

DIMENSIONS (TOP VIEW)

FEATURES

- Small size: 0805
- Frequency: 3500MHz
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- · Low profile
 - Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_D, 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)

IN Orientation Markin g OUT

TERMINAL AND LAYOUT (TOP VIEW)

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-	2.50±0.05
F	(0.098±0.002)
G	1.50±0.05
	(0.059±0.002)
J	0.19±0.05
	(0.007±0.002)
К	3.48±0.05
	(0.137±0.002)
М	0.54±0.25
	(0.021±0.010)
N	4.48±0.05
	(0.776±0.002)
Ρ	0.25±0.05
	(0.010±0.002)
R	0.85±0.05
	(0.033±0.002)
D	0.60±0.05
	(0.024±0.002)

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P/N	Frequency	I.Loss @3500MHz	R.Loss @3500MHz	Attenuation
LP0805H3500ASTR	3500MHz	-0.85dB max.	-20dB	-35dB at 4900MHz -30dB at 7000MHz -30dB at 10500MHz

TYPICAL ELECTRICAL PERFORMANCE



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Thin-Film RF/Microwave Filters Low Pass 0805 High Performance SMD 8W LP0805H4000ASTR – SMD Termination



mm (inches)

L

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В

2.03±0.10

(0.080±0.004) 1.55±0.10

(0.061±0.004)

0.80±0.10

(0.031±0.004) 0.56±0.25

(0.022±0.010) 0.35±0.15

(0.014±0.006)



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.

DIMENSIONS (TOP VIEW)

FEATURES

- Frequency: 4000MHz
- Characteristic impedance: 500hm
- Operating / Storage temp: -40°C +100°C
- Low profile
- Rugged construction
- Taped and reeled
- Power handling: 8W

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, I_P, 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)



TERMINAL AND LAYOUT (TOP VIEW)

A



F	2.50±0.05
•	(0.098±0.002)
G	1.50±0.05
	(0.059±0.002)
J	0.19±0.05
	(0.007±0.002)
к	3.48±0.05
	(0.137±0.002)
М	0.54±0.25
	(0.021±0.010)
N	4.48±0.05
	(0.776±0.002)
Р	0.25±0.05
	(0.010±0.002)
R	0.85±0.05
	(0.033±0.002)
D	0.60±0.05
	(0.024±0.002)



P/N	Frequency	I.Loss @4000MHz	R.Loss @4000MHz	Attenuation
LP0805H4000ASTR	4000MHz	-0.8dB max.	-20dB	-40dB at 5600MHz -35dB at 8000MHz -35dB at 10000MHz -25dB at 12000MHz

TYPICAL ELECTRICAL PERFORMANCE

