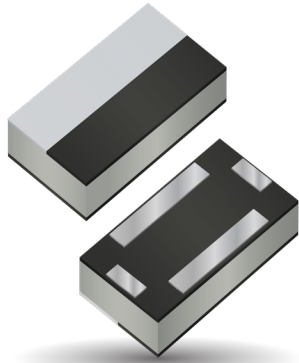


Thin-Film RF/Microwave Filters

HP2816 Thin Film High Pass Filter

HP2816A1000SNTR 15W



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.

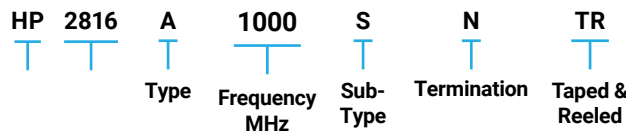
FEATURES

- Small size: 7x4x1.2mm (LxWxT)
- Frequency: 1000MHz
- Steep attenuation
- 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



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

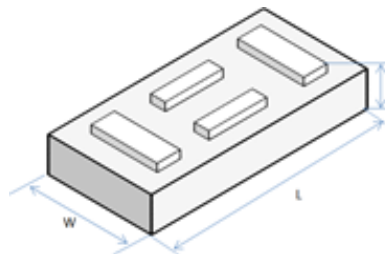
TERMINATION

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

POWER RATING

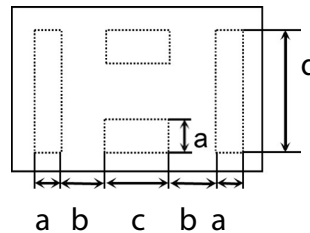
15W

DIMENSIONS (BOTTOM VIEW)

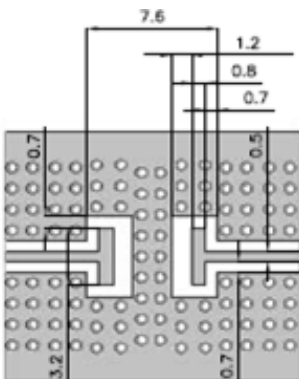


mm (inches)

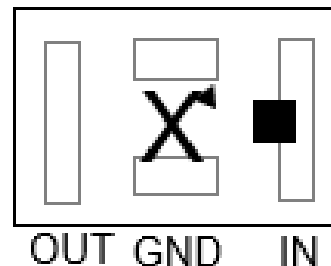
L	7.0±0.3
W	4.0±0.2
T	1.2 max
a	0.60±0.15
b	1.40±0.15
c	2.00±0.15
d	3.00±0.15



RECOMMENDED PCB PAD LAYOUT (MM)



TERMINALS (TOP VIEW)



Thin-Film RF/Microwave Filters

HP2816 Thin Film High Pass Filter

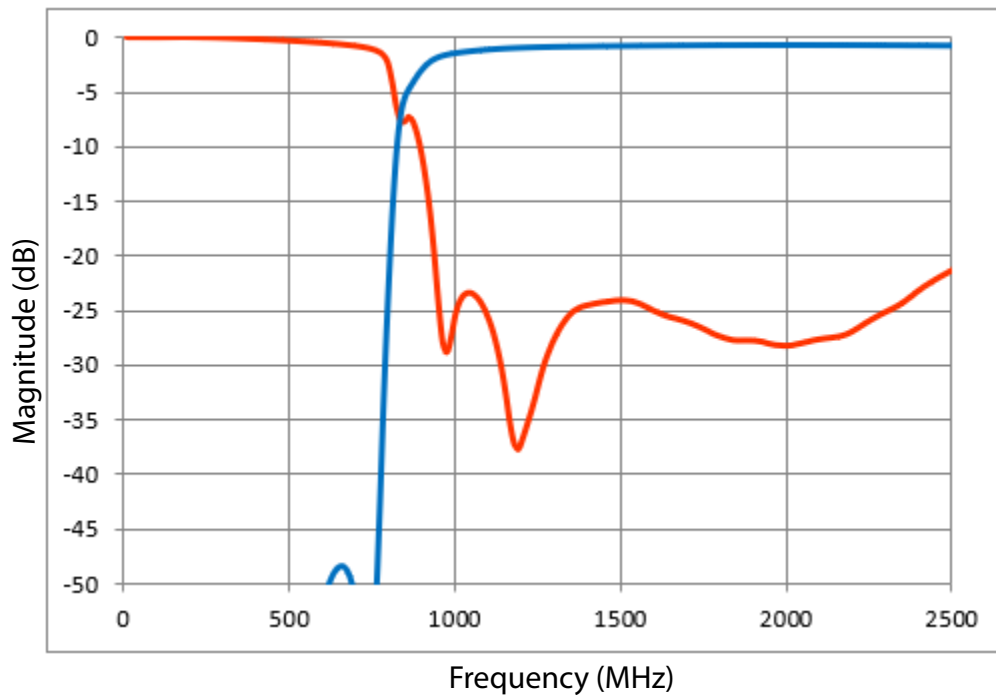
HP2816A1000SNTR 15W



ELECTRICAL CHARACTERISTICS

Parameter	Value	Unit	Notes
Fc	1000	MHz	
Insertion Loss @ 1000 MHz	-1.5	dB	
Rejection @ 750 MHz	-40	dB	
Return Loss @1000-1500MHz	-18	dB	
Return Loss @1500-2500MHz	-12	dB	
Power Handling	15	W	RF Continuous
Impedance	50	Ohm	
Operating Temp.	-40 to +85	degC	
Size	7x4x1.2mm		

TYPICAL ELECTRICAL PERFORMANCE



Thin-Film RF/Microwave Filters

HP2816 Thin Film High Pass Filter

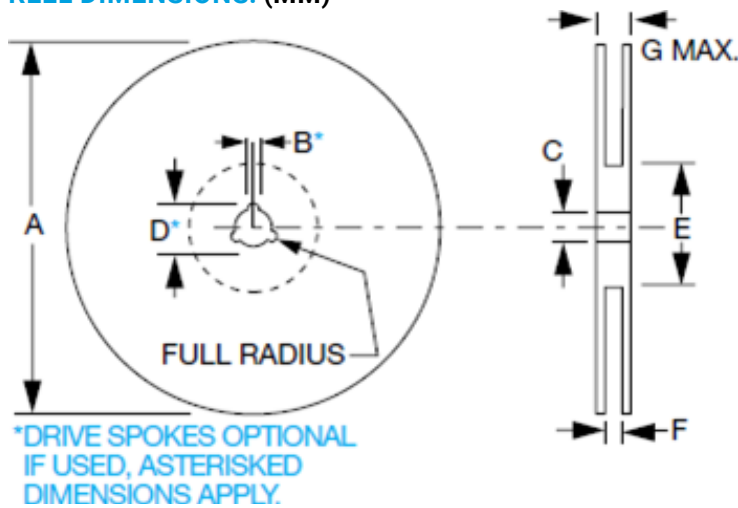
HP2816A1000SNTR 15W

TAPE & REEL

All tape and reel specifications are in compliance with EIA 481-1-A. (equivalent to IEC 286 part 3).

- 12mm carrier
- Reeled quantities: Reels of 2,000 per 7" reel

REEL DIMENSIONS: (MM)



CARRIER

