

Introducing our new line of COAXIAL IN-LINE BAND PASS FILTERS Featuring AmpliTech's MMIC Technology



Actual Sizes

Key Parameters at 23°C

Parameters	Unit	Min	Typical	Max	Notes
Frequency	GHz	17.52	-	21.45	
Center Frequency	GHz	-	19.45	-	
Passband Loss	dB	-	2.69	3.15	@ 19.45 GHz
Passband Return Loss	dB	-	13.0	-	
20dB Rejection Point	GHz	14.3	-	25.1	
40dB Rejection Point	GHz	10.4	-	30.3	
Outline/Package	-	-	-	-	1001-1
Connectors (In/Out)	SMA Male/SMA Female				

Absolute Maximum Ratings*

Parameters	Unit	Min	Max	Notes
Operating Temperature (Case)	°C	-55	+85	
Non-Operating Temperature (Case)	°C	-65	+150	
RF Input Power	dBm	-	+20	dBm
Channel Temperature	°C	-	+150	

* Stresses above those listed under "Absolute Maximum Rating" may cause permanent damage to the device. This is a stress rating only and functional operation of the device at these or any other conditions above those indicated in the operational sections of this specification is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability. All STANDARD units are packaged in Aluminum housings that are layered with electroless Nickel and then plated with Gold to eliminate contamination of other adjacent electronic components.

Product Features

- High Performance-High Reliability MMIC-based design
- Competitively Priced
- In-Line Package
- Frequency Range: 17.52 to 21.45 GHz
- Passband Loss: 2.69 dB at 19.45 GHz
- Passband Return Loss: 13.0 dB
- Rejection: 20 dB at 14.3 GHz and 25.1 GHz
- S-Band to Ka-Band Frequencies Available

Product Description

Introducing the APTX-17522145-BPF-X1001 Coaxial In-Line Band Pass Filter from our new line of competitively priced band pass filters. This bandpass filter covers 17.52-21.45 GHz with 50Ω matched DC blocked RF ports. Used for a wide range of design applications and is suitable for Military and Commercial applications when cost considerations are paramount. And like all our low noise amplifiers, it comes with our standard 3-year warranty.

Applications

- Communication Systems
- Point to Point Radios
- Fiber Optics
- Wideband Military & Space
- Test Systems

Introducing our newest collection of Cost-Effective In-Line Band Pass Filters

Data at 23°C



