



# Planar Monolithics Industries, Inc.

*RF & Microwave Components and Modules to 40GHz*

## 8-18GHz, Suspended Substrate, Band Pass Filter

PMI Model No. BP13G-10G-CD-SFF



PMI Model BP13G-10G-CD-SFF is a suspended substrate bandpass filter that offers a wide passband of 8 to 18GHz. This filter offers a low insertion loss of 1.5dB typically and a passband VSWR of 2.0:1 maximum. Stopband rejection of 70dB typical is provide from DC to 6GHz and from 20 to 23GHz. This model is offered with field removable SMA connectors so it can be used in connectorized form or as a drop-in module. The size is 1.94" x 0.76" x 0.5".

### Specifications:

Passband Frequency	8.0 to 18.0GHz
Passband Insertion Loss	1.5dB typical, 2.5dB max.
Passband VSWR	2.0:1 max.
Rejection	70dB typ. at DC to 6GHz 60dB typ. at 20 to 23GHz
Connectors	SMA - Female (Field Removable)
Size	1.94"L x 0.76"W x 0.5"H
Finish	Gold Plated

### Environmental Ratings:

Temperature:	<b>-55°C to +85 °C Operating</b> -65°C to +125 °C Non-Operating
Humidity:	MIL-STD-202F, Method 103B Cond. B
Shock:	MIL-STD-202F, Method 213B Cond. B
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A



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**ISO9001:2008 Certified**