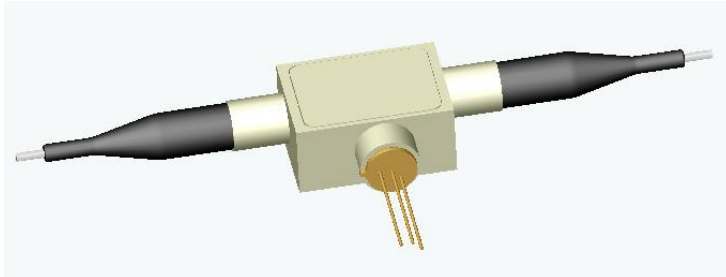


Acrobat™ Polarization Maintaining Fiber Tap Monitors

Polarization-preserving, Low loss power tap



Real time, polarization-preserving, linear polarization power tap monitor in a compact package. Boston Applied Technologies' Polarization Maintaining power tap/monitor (PMTAP) measures PM fiber slow axis linear polarization output power. It is a compact solid-state device. The PM-TAP has a tap/output monitor and a photo detector; this eliminates the need for an external polarization-maintaining coupler and photo detector, substantially reducing cost and space requirements.

Features

- Excellent optical performance
- Real time linear polarization optical power read out
- All solid-state construction in a compact package
- Superb temperature stability

Applications

- Optical networks using polarization-maintaining fiber
- Instrumentation

Key Optical Specifications

Attributes ^{1,2}	Performance
Wavelength Range ³	1310/1550 nm
Insertion Loss	<0.6 dB
Spectral Flatness	<0.1 dB
Extinction Ratio	>20 dB
Tap Output	0.05 μ A/ μ W of output power
Input Power	< 300 mW
Return Loss	\geq 55 dB

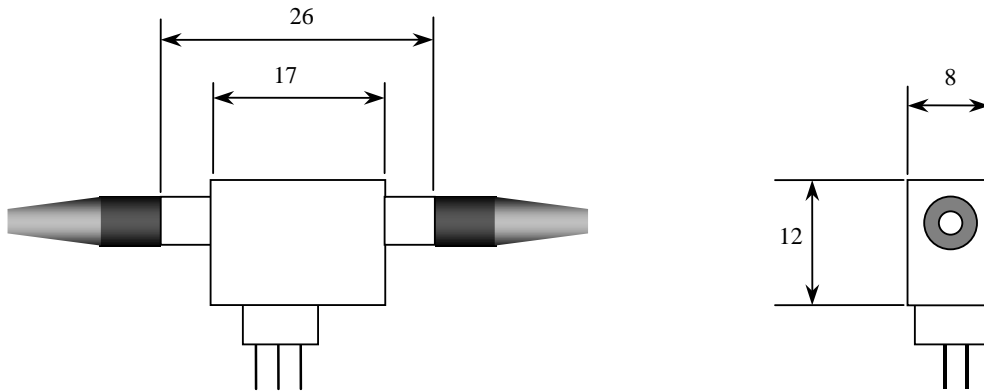
Notes:

1. Unless otherwise specified, all measurements are at 25°C.
2. Meets or exceeds Telcordia GR1221 and GR1209 specifications.
3. Also operates in the L-Band with 0.2 dB additional insertion loss.

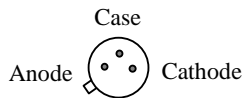
Environmental Parameters

Operating Temperature Range	0°C to 70°C
Storage Temperature Range	-40°C to 85°C
Dimensions (Approximately)	26 x 12 x 8 mm 1.14 x 0.47 x 0.32 inches

Mechanical Footprint of PMTAP



Detector Pin Arrangement



Notes:

1. All dimensions are in mm with a tolerance of 0.05 mm.
2. Pin diameter is 0.46 mm (0.018 inch).

For More Information

For More information about Boston Applied Technologies' leadership in variable optical attenuation technology and other optical networking modules and components, visit our website at www.bostonati.com.

To obtain additional technical information or to place an order for this product, please contact us:

Phone: 1-781-935-2800

Fax: 1-781-935-2860

E-mail: sales@bostonati.com

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