

BPH016

2-18GHz Photodetector

Applications

- General purpose broadband photonics
- RF on Fibre

Key Features

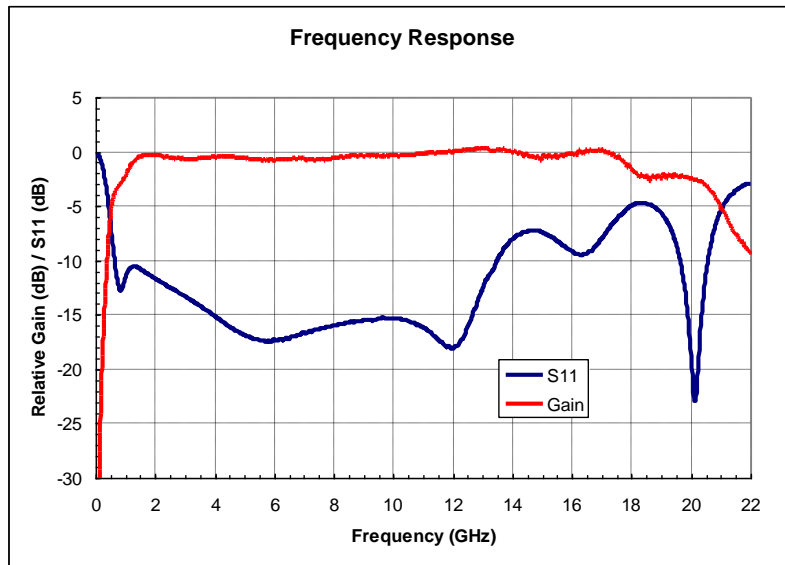
- Ultra-wideband response (electrical) from 2GHz to 18GHz
- Integral RF Low Noise Amplifier
- GPPO output connector with FC/APC fibre pigtail
- Compact size

Specifications

Frequency Range:	2-18GHz
Output Return Loss:	10dB up to 12GHz with respect to 50Ω
Operating Wavelength	1550nm (1310 available)
Photodetector Responsivity:	0.9 A/W into internal 50 load
Internal Amplifier Gain	14dB minimum
Internal Amplifier Noise Figure	4dB maximum
Unit Conversion Gain Slope	1dB maximum
Gain Ripple on Slope	1dB maximum
Supply Voltage	+5V +/-0.2V
Supply Current	70mA Typical
Connector Type	GPPO type
Operating Temperature	-20°C to +85°C (wider thermal ranges are also available)
Optical Return Loss	>25dB (>40dB available)
Max CW Optical Power	6mW minimum

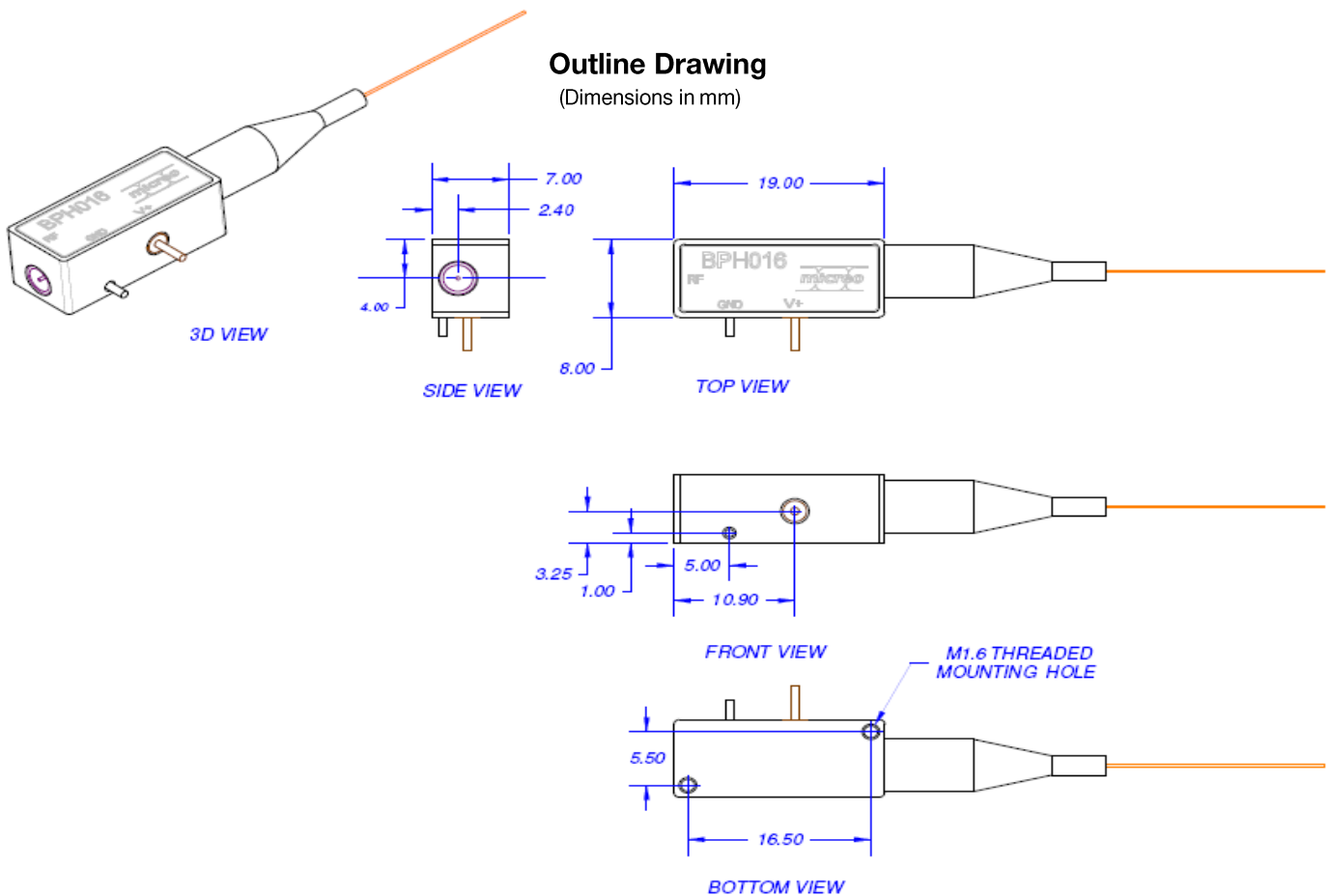


Micreo
one step ahead



Outline Drawing

(Dimensions in mm)



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Ordering information:

592-BPH016

2-18GHz Amplified Photodetector

Please contact us for more information.

L3 Micreo reserves the right to amend specifications in the light of continuing development.
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