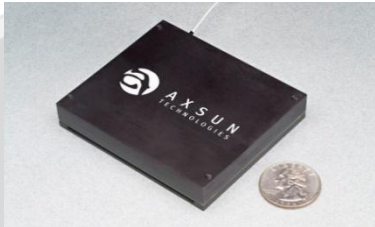


AXSUN OM8 COMPACT OPTICAL POWER MONITOR (OPM)



Product Features & Benefits

- **Compact footprint (80 x 70 x 16 mm)**
- **±0.5dB Power Accuracy**
- **±10GHz Frequency Accuracy (EOL)**
- **High Spectral Resolution (< 3.5GHz)**
- **C-Band or Extended C-Band Operation**
- **Supports Gridless ROADMs**
- **Compatible with mixed 2.5Gb/s, 10Gb/s, 40Gb/s and 100Gb/s with 50GHz-spaced channels**
- **-5 to 70°C Operating Temperature**
- **Flexible RS-232 or High Speed DPRAM Interface**
- **Supports all commercially available modulation formats (2.5Gb/s, 10Gb/s, 40Gb/s and 100Gb/s)**
- **Configurable for all optical networks**
- **ROHS compliant**
- **Telcordia Qualified**

Applications

- **Optical DWDM Network Monitoring**
- **EDFA Gain Tilt Control**
- **ROADM Power Balancing**
- **Advanced Modulation Analysis**
- **Wavelength Routing and Path Provisioning**
- **Test and Measurement**

Introducing the Axsun OM8 OPM Product

To meet today's optical network management and fiber-optic test and measurement challenges, AXSUN Technologies offers the industry's most comprehensive range of optical monitor products.

AXSUN's new OM8 product provides highly accurate optical power and frequency measurement, independent of data rate and modulation format, in a cost-effective, compact package. The OM8 reports this data over a Serial RS-232 interface or via a high-speed DPRAM interface.

OPM reliability

Based on AXSUN's industry-leading technology for OMx products with over 500 Million Field Device Hours, the OM8 product is fully qualified to Telcordia GR-468-CORE and GR-63-CORE.

OPM provides cost-effective advanced features

The Axsun MEMS tunable filter supports 50 GHz DWDM channel spacing, and provides exceptionally high spectral resolution. It supports all commercially available modulation formats and transmission data rates, including mixed 2.5Gb/s, 10Gb/s, 40Gb/s and 100Gb/s at 50GHz spacing. The OM8 also supports gridless ROADM dynamic monitoring applications. The Axsun OPM provides the industry's best performance and scalability for an economical price.

OPM adaptability.

The Axsun OM8-series OPM can be adapted to a wide range of channel spacing, data rates, and modulation formats, and for compatibility with all optical networks. The OM8 you design in today will be scalable to meet your evolving needs for next generation DWDM systems.

Axsun – The industry's first choice for Optical Network Monitoring

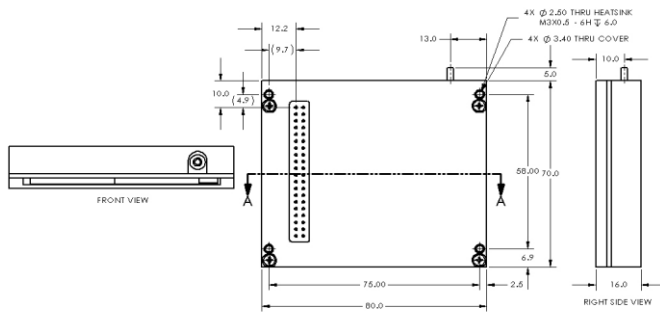
SPECIFICATIONS FOR OM8 PRODUCT

Specifications are subject to change without prior notice.

Parameter	OM8 Optical Power Monitor		Units
	Min	Max	
Operating Temperature	-5	70	°C
Supply Voltage (DC 3.3V)	3.15	3.45	Vdc
Supply Current (max at 70°C)		1.5	A
Operating Wavelength (Operating Frequency) C band	1528 196.2	1565 191.6	nm GHz
Operating Wavelength (Operating Frequency) Extended C band	1528 196.2	1568.77 191.1	nm GHz
Absolute Power Accuracy ¹		±0.5 ±1.0	dB ² dB ³
Relative Power Accuracy		0.5	dB ⁴
Power Repeatability		±0.1	dB
Power Readout Resolution		0.1	dBm
Absolute Frequency Error (EOL)		±10.0	GHz
Frequency Repeatability		±1	GHz
Frequency Readout Resolution		1 8	GHz pm
Input Power Range (per channel)	-40	-7	dBm
Polarization Dependent Loss		0.4	dB
Optical Return Loss	30		dB
Scan and Report Time		1.0	Sec.
Mechanical Dimensions	80 x 70 x 16		mm

1. Excluding PDL and random connector mating loss.
2. When mixed 2.5Gb/s, 10Gb/s and 40Gb/s signals are at non-adjacent channels (power imbalance < 10 dB)
3. When mixed 40Gb/s signals are in adjacent channels (power imbalance < 5 dB)
4. Based on Axsun test conditions

Mechanical Dimensions:



For more information



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