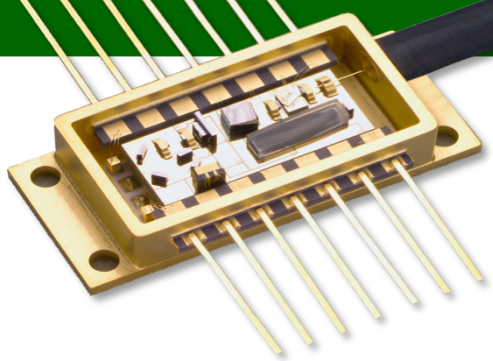
AXSUN TECHNOLOGIES



Optical Channel Monitors

High Resolution C- and L- Band Channel Monitors to 400Gb/s and Beyond

The Axsun OMx

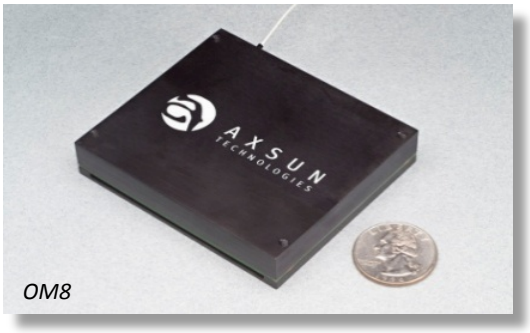
family of optical channel monitors (OCM) provides **accurate** optical power and frequency measurement – independent of data rate and modulation format – in a **cost-effective and compact** package.

Feature Rich

Supports all commercially available DWDM channel spacings, modulation formats and transmission data rates – including mixed 2.5Gb/s, 10Gb/s, 40Gb/s, 100Gb/s and 400Gb/s – as well as gridless ROADM dynamic monitoring applications. The Axsun OCM provides the industry's **best performance and scalability** at an economical price.

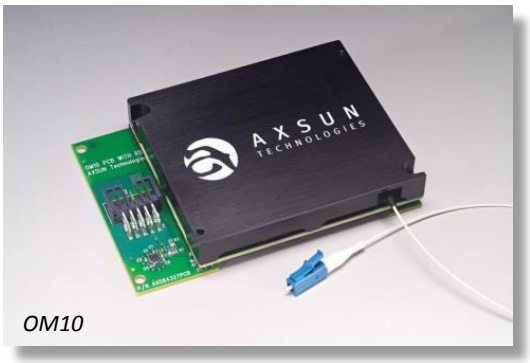
Applications

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



OM8

OM9



OM10

A Unique Design

based on our micro-optical integration capabilities and patented MEMS tunable filter, the highly scalable Axsun OMx product family is the **preferred choice** for telecommunications system vendors in multiple applications.

Adaptability

For compatibility with all optical networks, the Axsun OCM can **rapidly adapt to a wide range** of channel spacing, data rates, modulation formats, and flex-grid signal conditions. The Axsun OCM platform you design in today will be scalable to meet your evolving needs for next generation DWDM systems.

Reliability & Support

Axsun products have logged **billions of hours** in optical networking systems around the world since 2001. Our products meet rigorous Telcordia qualification standards and are supported by a team with **decades of expertise** in optical networking systems.

Axsun – The Industry's #1 Choice for Optical Network Monitoring

AXSUN TECHNOLOGIES 1 FORTUNE DRIVE, BILLERICA, MA, 01821, UNITED STATES

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Axsun OCM Specifications

Parameter		Units	Min	Max
Operating Wavelength[1] (Operating Frequency)	C-band	nm (THz)	1527.0 (196.3)	1567.0 (191.3)
	L-band		1570.4 (186.3)	1608.7 (190.9)
Absolute Frequency Accuracy		GHz	-8.0	8.0
Absolute Power Accuracy		dB	-1.0	1.0
Relative Power Accuracy		dB		1.0
Power Repeatability		dB		0.2 (2)
				0.5 (3)
Power Readout Resolution		dB	0.1	
Input Power Range (per channel)		dBm	-40	-10
Optical Return Loss		dB	30	
OSNR Magnitude		dB	25 (4)	
Scan and Report Time		Sec	0.5	
Operating Temperature		°C	-5	70
Supply Voltage (3.3 V_{DC})		V_{DC}	3.13 (5)	3.47 (5)
Supply Current (max at 70°C)		A		1.5
Mechanical Dimensions	OM8	mm	80 x 70 x 16	
	OM9		220 x 110 x 26	
	OM10		102 x 70 x 16	

1. Other frequency ranges available upon request
2. 10Gbps or less
3. 10Gbps/40Gbps/100Gbps mixed
4. OSNR varies with different conditions
5. OM9 operates in different voltage range

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