

OPM Optical Performance Monitoring



Product Overview

Optical performance monitoring is used for managing high capacity DWDM optical transmission and switching systems in Networks.

The optical component used for this purpose in DWDM networks is known as optical performance monitor, which measures channel power, wavelength, and optical signal-to-noise ratio (OSNR) for each channel.

Product Features

- Single slot card can provide 1 channel signal monitoring port
- Support 80/96 channels DWDM optical signal monitoring
- Support accurate measurement of wavelength, optical power and OSNR.
- Support using with optical switches

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Parameters	Unit	Specifications
Input Wavelength Range	nm	1528-1568
Channel Spacing	GHZ	50
Adjacent Channel Power Difference	dB	< 13
Non-Adjacent Channel Power Difference	dB	< 20
Maximum Input Power	dBm	23
Channel Input Power Range	dBm	-40~-10
Absolute Channel Power Accuracy	dB	0.5
Relative Channel Power Accuracy	dB	0.3
Power Measurement Repeatability	dB	0.1
PDL	dB	< 0.3
Absolute Wavelength Accuracy	pm	50
Relative Wavelength Accuracy	pm	30
Channel Wavelength Resolution	pm	20
OSNR	dB	> 25
OSNR Accuracy	dB	1.5
Noise Floor	dBm	-60
Response Time	ms	< 500
Power Consumption	W	< 2
Connector		LC/UPC