



QSFP Optical Channel Monitor

Rev A3

Description

The QSFP Optical Channel Monitor is an integrated photonics-based module that allows the measurement of critical information of optical channels in DWDM networks. It is designed to be compatible with QSFP MSA on mechanical and electrical interface, which allow it be plug-and-play in QSFP cage.

Key Features

- QSFP Form Factor
- 50 GHz and 100 GHz Channel Spacing Available

Applications

- Optical Power Monitoring of DWDM System

Specifications

Parameter	Unit	Value
Channel Center Frequency Range	THz	191.35 to 196
Absolute Channel Center Frequency Accuracy	GHz	± 4
Configurable Channel Bandwidth	GHz	50 or 100
Max. Total Optical Input Power	dBm	24
Channel Input Power Range	dBm	- 15 to 15
Input Coupler Ratio	%	5/95
Max. Insertion Loss	dB	1
Max. Channel Power Difference (50 GHz)	dB	12
Max. Channel Power Difference (100 GHz)	dB	15
Channel Power Accuracy	dB	± 1.2
Max. Noise Floor	dBm	-20
Polarization Dependent Power Accuracy	dB	± 0.5
Max. Channel Power Repeatability	dB	0.5
Operating Case Temperature	°C	- 5 to + 50
Storage Temperature	°C	- 40 to + 85
Working Voltage Range	V	3.13 to 3.46
Max. Power Dissipation	W	6.5

Package Dimensions

