OFMS SERIES Large Channel Count 1xN Switch Module

OFMS 1xN Module Series

Product Description

The OFMS series 1×32 & 1×64 optical fiber switch are free space micro optic based Opto-mechanical switch. The switches are designed for use in optical channel monitoring, Remote Fiber Testing Systems (RFTSs), and network switching for fault protection applications.

Oplink provides customized design to meet special control and applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.



Performance Specification

Parameters	Value		Unit
Wavelength Range	1260 ~ 1670		nm
Insertion Loss ¹	≤ 0.8 (Typical)	≤ 1.1 (Max)	dB
Polarization Dependent Loss	≤ 0.1		dB
Return Loss 1	≥ 50		dB
Channel Cross Talk	≥ 80		dB
Repeatability	≤ ± 0.05		dB
Switching Time	135 + 15 x m-n (from port n to m)		ms
Lifetime	≥ 120 million		cycles
Optical Power Handling	≤ 500		mW
Operating Temperature	- 5 ~ 55		°C
Storage Temperature	- 40 ~ 85		°C
Power Consumption	≤ 10		W
Control Interface	RS232		
Dimensions	210 (L) x 100 (W) x 76 (H)		mm
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Notes:

1) Excluding connectors.

2) -25 to 75°C OK with about 0.2dB IL increase.

3) Around 8W for around 20ms at power on. About 5W after power on.

Features

- Wide operating wavelength range
- Fast switch speed
- Highly stable & reliable
- Low insertion loss
- ♦ Low PDL

Applications

- Network monitoring and switching
- Remote Fiber Testing Systems
- Instrument, testing and measurement

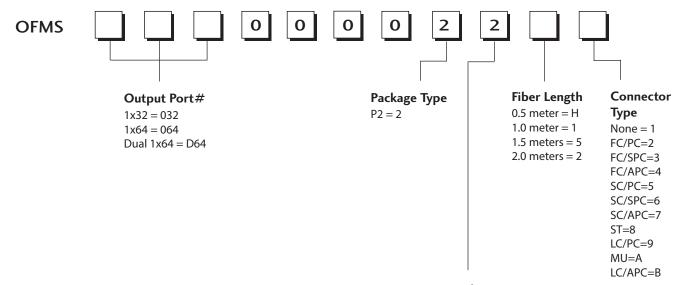




OFMS 1xN MODULE SERIES

Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.



Pigtail Type SMF-28 w/ 500µm tight buffer = 2

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