

# OFMS SERIES LARGE CHANNEL COUNT 1xN SWITCH MODULE

## OFMS 1xN Module Series

### Product Description

The OFMS series 1x32 & 1x64 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 <sup>1</sup>	≤ 0.8 (Typical)   ≤ 1.1 (Max)	dB
Polarization Dependent Loss	≤ 0.1	dB
Return Loss <sup>1</sup>	≥ 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

### 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

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.

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## 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.

