

OFMS SERIES MINI 1x8 OPTICAL FIBER SWITCHES

OFMS Mini 1x8 Series

Product Description

The OFMS series mini 1x8 optical fiber switch is free space micro optic based opto-mechanical switches. 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
Operating Wavelength Range	1260 ~ 1360 or 1525 ~ 1610	1260 ~ 1360 and 1525 ~ 1610	nm
Insertion loss ^{1,2}	< 0.7	< 0.8	dB
Polarization Dependent Loss	< 0.1		dB
Return Loss ²	> 45		dB
Channel Cross Talk	> 55		dB
Repeatability	± 0.05		dB
Switching Time	< 20		ms
Optical Power Handling	300		mW
Fiber Type	Corning SMF-28		
Operating Temperature	0 ~ 70		°C
Storage Temperature	-40 ~ 85		°C
Switch Type	Latching		
Dimensions	70.0 (L) x 40.0 (W) x 11.0 (H)		mm

Notes:

1) Insertion loss is specified at 1310 and/or 1550nm at 23°C. Add 0.5dB to include wavelength (within each window) and temperature dependence.

2) Excluding connectors.

Features

- ◆ Wide Operating Wavelength Range
- ◆ Fast Switch Speed
- ◆ Highly Stable & Reliable
- ◆ Low Insertion Loss
- ◆ Low PDL
- ◆ Mini Size
- ◆ Built-in Position Monitor

Applications

- ◆ Network Monitoring and Switching
- ◆ Remote Fiber Testing Systems
- ◆ Instrument, Testing and Measurement

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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.

