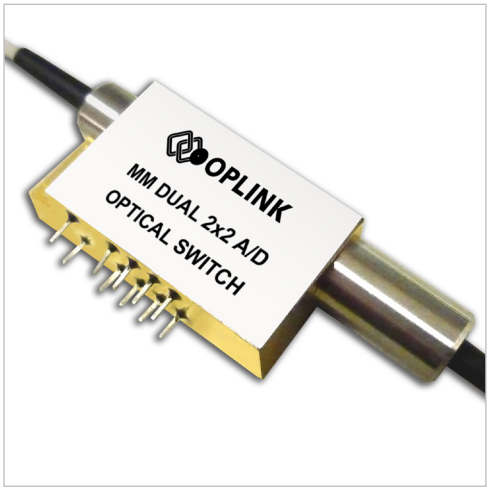
OFMS Series Multi-mode Dual 1x2 or 2x2 Add/Drop Optical Fiber Switches

OFMSMMD Series

Product Description

Oplink's OFMS series optical fiber switches offer industry leading performance specifications with Telcordia compliant reliability. The new switch functions as two 1x2 or 2x2 Add/Drop multi-mode switches that are simultaneously switched together. The dual 1x2 or 2x2Add/Drop switch is housed in the similar package as the Oplink OFMS series standard switches while maintaining superior optical performance.

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		Symbol	Min	Typ.	Max	Unit
Switch Type				Dual 1x2 or 2x2 Bypass		
Wavelength Range		λ_{op}		850, 1310 or 1550		nm
Insertion Loss [1]		IL			1.0	dB
Cross-talk			35			dB
Repeatability					±0.05	dB
Return Loss		RL	30			dB
Optical Input Power					300	mW
Coil Resistance	Latching			101.2 ± 10%		Ω
	Non-latching			145 ± 10%		Ω
Switching Speed					10	ms
Durability			10^7			cycle
Cycle Rate					10	Hz
Switch Relay Type				Two coils, latching or single coil, non-latching		
Driving Voltage [2]				4.5 ~ 5.5		VDC
Operating Temperature		T_{op}	0		70	°C
Storage Temperature		T_{sto}	-40		80	°C
Fiber Type				50µm or 62.5µm core multi-mode fiber		

Notes:
1) Based on FOTP-34 method A, steady state equilibrium launch conditions. Within operating temperature range. Exclude connector insertion loss.
2) A minimum >20ms pulse is recommended for latching type of switch.

Features

- Compact Size
- Low Insertion Loss
- Seam-seal Package
- Latching or Non-latching Configurations
- Highly Stable & Reliable

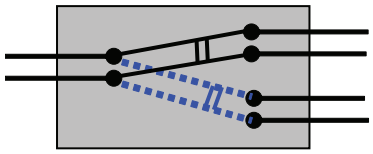
Applications

- Node Bypass Protection
- Configurable Add/Drop

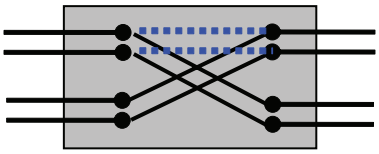
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OFMSMMD Series

Function Diagram



Dual 1x2 Switch



Dual 2x2 Add/Drop Switch

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.

OFMS D [ ] 2 M [ ] [ ] [ ] [ ] [ ] [ ] [ ]

Type
Dual 1x2 = D12
Dual 2x2 Add/Drop = D22

Multi-mode

Wavelength
850nm = 8
1310nm = 3
1550nm = 5

Switch Type
Latching = 0
Non-latching = 1

Mounting Type
Dual-line pins on the bottom = 0
Single-line pins on the side with screw tabs = 1

Package Type
P1 (bare fiber) = 1
P2 (900μm loose tube) = 2

Fiber Type
MMF 50/125 fiber = 1
MMF 62.5/125 fiber = 2

Fiber Length
0.5 meter = H
1.0 meter = 1
1.5 meter = 5
2.0 meter = 2

Connector Type
None = 1
FC/PC = 2
FC/SPC = 3
FC/APC = 4
SC/PC = 5
SC/SPC = 6
SC/APC = 7
ST = 8
LC = 9
MU = A

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