



Opto-Link
Corporation Ltd

Optical Switch

Optical Switches are designed following the standard of Telcordia GR-1029. They are compact-sized mechanical switches with excellent reliability. They are widely used in network switching, optical add/drop multiplexer (OADM), optical fiber ring protection and optical cross and connection (OXC) system. The switches are available with both the latching and non-latching configuration.



Applications

- Optical Add/Drop
- Fiber optic ring protection
- Optical cross connection

Features

- On/Off, Add/Drop or Full Configuration
- Compact Package
- Latching or Non-Latching available



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SPECIFICATIONS

1x1, 1x2, 2x2 Optical Switch

Parameter				Units
Operating Wavelength		1510~1610 or 1260~1360		nm
Switch Type		1x1 (On-Off), 1x2	2x2, 2x2B	
Insertion Loss	Max	0.6	0.8	dB
Return Loss	Min	45	45	dB
Cross Talk	Min	55	55	dB
Polarization Dependent Loss (PDL)	Typ	0.05	0.05	dB
Repeatability	Max	+/-0.05	+/-0.05	dB
Life Time	Min	1,000,000	1,000,000	times
Switch Speed	Max	10		ms
Switch Mode		Bistable Relay		
Operating Temperature		-5 to +70		°C
Storage Temperature		-40 to +85		°C
Voltage		5+/-0.5V DC or 5V Pulse		V
Current		40+/-4		mA
Dimension		45x18x10		mm

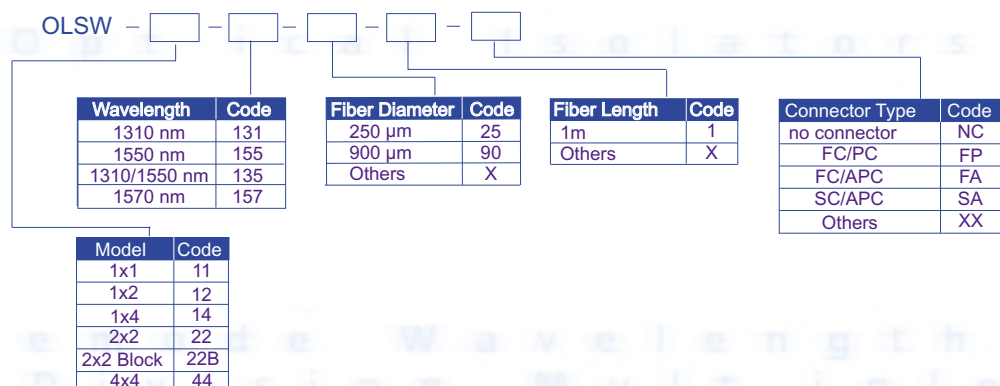
*Above specifications are for device without connectors.

1x4, 4x4 Optical Switch

Parameter				Units
Operating Wavelength		1310, 1550, 1310/1550	1550+/-50	nm
Switch Type		1x4	4x4	
Insertion Loss	Max	1.5	2.5	dB
Return Loss	Typ	50	50	dB
Cross Talk	Typ	60	60	dB
Repeatability	Max	+/-0.08	+/-0.05	dB
Life Time	Typ	1,000,000	1,000,000	times
Switch Speed	Max	10	20	ms
Polarization Dependent Loss (PDL)	Typ	0.05	0.05	dB
Operating Temperature		0 to +70		°C
Storage Temperature		-40 to +85		°C
Voltage		5+/-0.5V DC		V
Current		40+/-4		mA
Dimension		134x90x18	153x125x20	mm

*Above specifications are for device without connectors.

ORDERING CODES



■ Opto-Link Corporation Ltd. reserves the right to make changes to the products described herein without notice.

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