



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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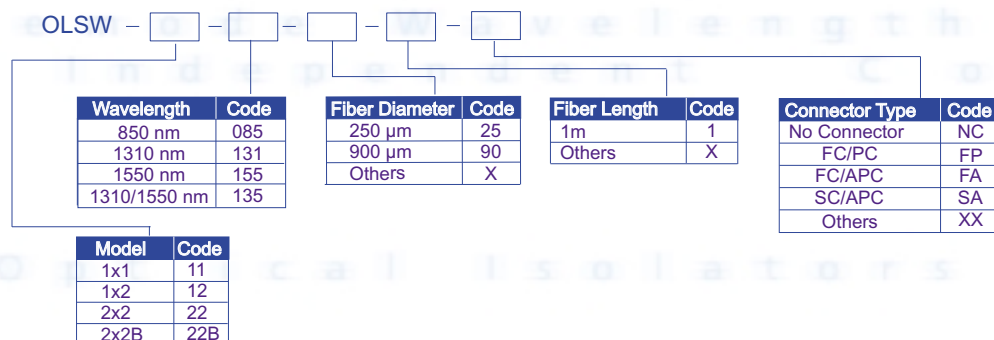
SPECIFICATIONS

Optical Switch

Parameter	Value			Units
Switch Type	1x1, 1x2, 2x2, 2x2B			--
Wavelength	1310 or 1550 (SM)	1310 and 1550 (SM)	850 or 1310 (MM)	nm
Insertion Loss	Typ: 0.5, Max: 0.8	Typ: 0.7, Max: 1.0	Typ: 0.5, Max: 0.8	dB
Return Loss	>45	>45	>25	dB
Cross Talk	>55	>55	>30	dB
Repeatability	<+/-0.05			dB
Switch Time	10			ms
Lifetime	>1,000,000			time
Switch Mode	Latching or Non-latching			--
Operation Temperature	-15 ~ +70			°C
Storage Temperature	-40 ~ +85			°C
Drive Voltage	5+/-0.5DC or 5V Pulse			V
Work Current	<50			mA
Package	45x18x10			mm

	Light Pin						Drive Pin				Monitor Pin	
	1x1	1x2	2x2		2x2B		1	12	2	11	3-5,10-8	3-6,10-7
Latching	1-2	1-2	1-2	3-4	1-2	3-4	GND	+5VDC			Open	Close
		1-3	1-3	2-4	1-3				GND	+5VDC	Close	Open
Non-latching	1-2	1-2	1-2	3-4	1-2	3-4	GND	+5VDC			Open	Close
		1-3	1-3	2-4	1-3		GND	GND			Close	Open

ORDERING CODES



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

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