



Opto-Link
Corporation Ltd

Solid-Stage Optical Switch

Solid-Stage optical switch connects optical channels by redirecting an incoming optical signal into a selected output fiber. This is achieved using patent pending non-mechanical proprietary configurations and activated via an electrical control signal. The solid-state operation offers ultra-high reliability and fast switching speed as well as bi-directional performance. The SW fiberoptic switches are true switching solutions for optical networking applications.

Applications

- Optical Signal Routing
- Network Test Systems
- Instrumentation
- Optical Network Protection/Restoration
- Configurable Optical Add/Drop
- Transmitter and Receiver Protection

Features

- Fast Switching Speed
- Ultra-High Reliability
- High Repeatability
- Low Cost
- Latching

SPECIFICATIONS

Solid-Stage Switch (1x2)

Parameter		Values	Units
Operating Wavelength		1550 +/- 50	nm
Insertion Loss	Max.	1 (Max)	dB
	Typ.	0.7(Typ.)	dB
Polarization Dependent Loss		<= 0.1	dB
Polarization Mode Dispersion		<= 0.1	ps
Crosstalk		>= 50	dB
Return Loss		>= 55	dB
Switching Speed	Max.	200	us
	Typ.	50	us
Drive Voltage		5	V
Operating Temperature		0 ~ +70	°C
Dimensions		66.8 x 7.8 x 7.8	mm

ORDERING CODES

OLSW - SS - [] - [] - [] - [] - [] - []

Type	Code
Module	-

Wavelength Code

1550 nm 155

Fiber Length	Code
1 m	1
2m	2

Model	Code
1x2	12

Fiber Diameter	Code
250um Bare Fiber	25
900um Loose tube	90

Connector Type	Code
No Connector	NC
FC/APC	FA
FC/PC	FP
FC/UPC	FU
SC/APC	SA
SC/PC	SP
ST/UPC	ST
SC/UPC	SU
LC/PC	LP
LC/UPC	LU
MU/PC	MP