

1x2 Crystalatch Switch

Description:

The Crystalatch Series fiber optical switch connects optical channels by redirecting an incoming optical signal into a selected output fiber. This is achieved using patented non-mechanical configurations and activated via an electrical control signal. Latching operation preserves the selected optical path after the drive signal has been removed.



Features:

- 1.High Speed switch time
- 2.Low insertion loss & PDL
- 3.High cross talk
- 4.High stability and reliability
- 5.Path without epoxy

Application:

- 1.Optical channel blocking
- 2.Configurable Add or Drop
- 3.Laboratory
- 4.Monitory & detection
- 5.Instrumentation

Performance:

Parameter	Units	SPEC.
Operating wavelength	nm	1310±15, 1550±30
Insertion loss	dB	Typ:0.8 Max:1.0
Return loss	dB	Sm≥50
Cross talk	dB	Sm≥40
PDL	dB	≤0.2
WDL	dB	≤0.2
TDL	dB	≤0.25
Repeatability	dB	≤±0.02
Voltage	v	5.0 (+/-0.5)
Switch time	ms	≤200
Powerhandling	mW	≤500
Operating temperature	°C	-20~+70
Storage temperature	°C	-40~+85

V.TORCH

Power Port	/	2 Pin
Size	mm	58.2x8.4x8.4

Notes: The insertion loss above excluding the insertion loss for the connectors.

Pin Definition & Drive Voltage:

CL 1x2 Type

Optical Patch	Pin1	Pin2		
Port1→Port2	GND	5VPulse		
Port1→Port3	5VPulse	GND		

Parameter	Unit	Minimum	Typical	Maximum
Drive Voltage	V	4.5	5	5.5
Drive Current	mA	110	140	195
Pulse Duration	ms	0.2	0.3	0.5

Production Size:

