

1 x 2 Optical Switch

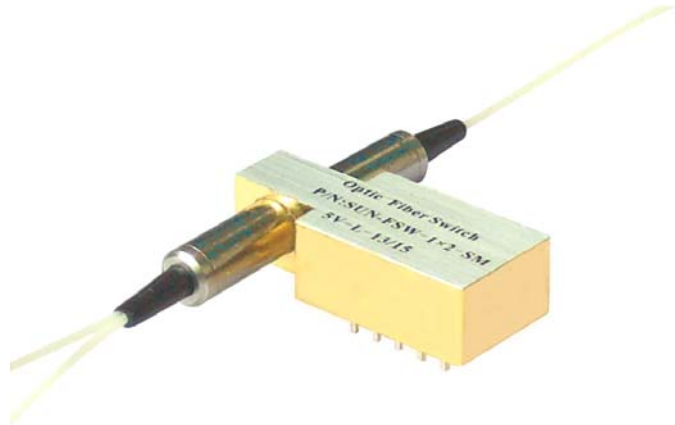
SUN Telecom's Fiber Optic Switch, which is famous for its great capability, has a low insertion loss (Typical ≤ 0.50 dB, Max ≤ 0.8 dB), and small dimensions: 29.0L x 12.5W x 8.0H (mm). It is an ideal component for OADM, OXC, and system monitoring and error protection. It could be easy to integrate into a high density optical communication system as its smart encapsulation.

Features

- Wide Wavelength Range
- Low Insertion Loss
- Low Back Reflection
- High Reliability, High Dependable
- No Glue in the Rout
- Latching and Non-latching Control

Applications

- Configurable & OADM
- Metropolitan Area Networks
- System Monitoring
- Component Testing
- For R&D in Laboratory



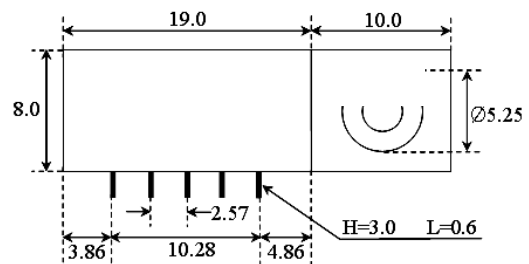
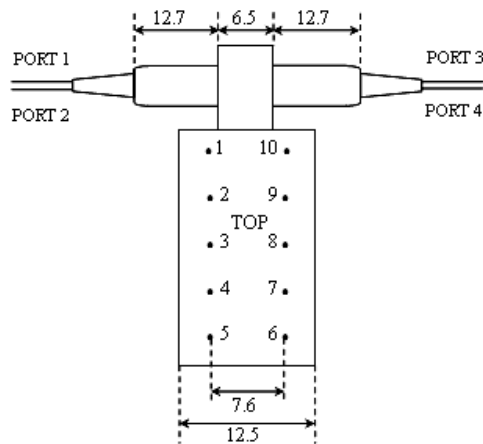
Optical Specifications

Type	Specifications					
Wavelength Range (nm)	1310 or 1550(SM)		1310 & 1550(SM)		850 or 1310(MM)	
Insertion Los (dB)	Typ:0.3	Max:0.5	Typ:0.5	Max:0.8	Typ:0.5	Max:0.8
PDL (dB)	≤ 0.05					
Return Loss (dB)	SM ≥ 55 , MM ≥ 30					
Wavelength Relative Loss (dB)	≤ 0.25					
Cross-Talk (dB)	≤ -60					
Repeatability (dB)	$\leq \pm 0.02$					
Operating Voltage (V)	3.0 or 5.0					
Durability(Life) (times)	$\geq 10^7$					
Switching Time (ms)	Bar \rightarrow Cross ≤ 3 , Cross \rightarrow Bar ≤ 8					
Transmission Power (mw)	≤ 500					
Operating Temperature (°C)	-5 ~ +50					
Storage Temperature (°C)	-20 ~ +85					
Dimensions (mm)	(L)29.0 \times (W)12.5 \times (H)8.0					

Pins Defining

Pins Defining		Optical Route	Electricity driving				Condition Monitoring			
Control model		1×2	1	5	6	10	2-3	3-4	7-8	8-9
Latching	Bar	1-2	--	--	GND	V+	Close	Open	Open	Close
	Cross	1-3	V+	GND	--	--	Open	Close	Close	Open
Non-latching	Bar	1-2	--	--	--	--	Close	Open	Open	Close
	Cross	1-3	V+	--	--	GND	Open	Close	Close	Open

Optical Switch size



Note: For the necessity of improvement, the material contained in this document is subject to change without notice.