

Optical Switch(1x1,1x2,2x2,2x2B)



Features

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

Applications

- Wide Wavelength Range
- Low Insertion Loss
- Low Back Reflection
- High Reliability, High dependability
- No glue in the Route
- Latching and Non-latching control

Fiberer' 1x1,1x2,2x2,2x2B Optical Switch, which is famous for its great capability, has a low insertion loss(Typical \leq 0.50dB,Max \leq 0.8dB),and a small dimension :(L)29.0 \times (W)12.5 \times (H)8.0.It is an ideal Component for OADM,OXC,system monitoring and error protection. It could be easy to integrate into a high density optical communication system as its smart encapsulation.

Performance Specifications



web : www.fiberer.com

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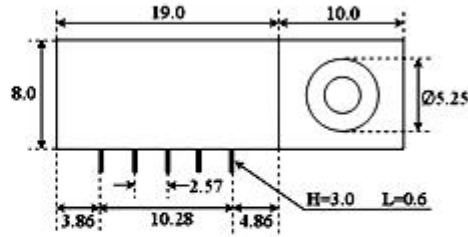
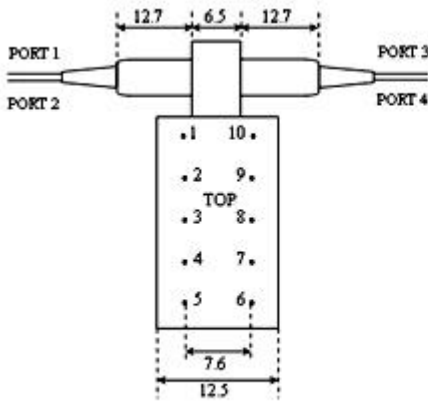
Type	1×1、1×2、2×2、2×2B					
Wavelength Range nm	1310 or 1550(SM)		1310 & 1550(SM)		850 or 1310(MM)	
Insertion Loss dB	Typ:0.3	Max:0.5	Typ:0.5	Max:0.8	Typ:0.5	Max:0.8
PDL dB	≤0.05					
Return Loss dB	SM≥55、MM≥30					
Wavelength	≤0.25					
RelativeLoss dB						
Cross-Talk dB	≤-60					
Repeatability dB	≤±0.02					
Operating Voltage v	3.0 or 5.0					
Durability(Life) times	≥107					
Switching Time ms	Bar→Cross≤3			Cross→Bar≤8		
Transmission Power mw	≤500					
Operating Temperature °C	-5~+50					
Storage Temperature °C	-20~+85					
Dimension mm	(L)29.0×(W)12.5×(H)8.0					

Specifications may change without notice

Pins Defining:

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

Optical Switch Size:



Ordering Information

OS



wavelength	Port	Type	Control Model	Fiber Length	In/Out Connector
85=850nm	1×1	S=SM	L=Latch	1=0.5M	0=None
13=1310nm	1×2	M=MM	N=NON-latching	2=1.0M	1=FC/APC
15=1550nm	2×2			3=1.5M	2=FC/PC
sp=special	2×2B(B:bypass)				3=SC/APC
					4=SC/PC
					5=ST
					6=LC