

1×2 Single-mode Mechanical Optic Switch

Features

- Low insertion loss
- Wide wavelength range
- Low crosstalk
- High stability and reliability
- Epoxy-free optical path
- Latching and non-latching



Applications

1. R&D in laboratory
2. System monitoring
3. Configurable OADM
4. Metropolitan area networks
5. Component testing

Pins Definitions

Optical Route		Optical Route 1-2		Optical Route 1-3	
Electricity driving	Non-latching	Pin1	Pin10		
	Latching	Pin1	Pin5	Pin6	Pin10
		V+	GND	GND	V+
State	Latching/Non-latching	Pin2-3, Pin8-9 open		Pin2-3, Pin8-9 close	
		Pin3-4, Pin7-8 close		Pin3-4, Pin7-8 open	

Specifications

Parameter	Value			
Operating wavelength (nm)	1260~1360 or 1510~1610		1310/1550 ± 40	
Insertion Loss (dB)	P Grade	A Grade	P Grade	A Grade
	< 0.5	< 0.8	< 0.7	< 1.0

Contact your OSTenp representative for information on specifications and availability.

WDL (dB)	≤ 0.25	≤ 0.25	≤ 0.25	≤ 0.30
PDL (dB)	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.05
TDL (dB)	< 0.15	< 0.20	< 0.15	< 0.20
Crosstalk (dB)	>55	>55	>55	>55
Repeatability (dB)	< ± 0.02			
Return Loss(dB)	> 55			
Switching Time (ms)	<10 (Typ.4)			
Coil resistance (Pins 1-5 or 6-10) (ohms)	178 ± 10%			
Operating voltage (V)	5			
Rated power (mW)	500			
Durability	>10 million			
Operating Temperature(°C)	0 ~ +70			
Storage Temperature (°C)	-45 ~ +85			
Fiber Type	SMF-28			
Fiber Length (m)	1.0 +/- 0.1			
Dimensions (LxWxH) (mm)	L22.3 × W12.1 × H11			

Ordering Information

Optical switch	Port Type	Control Type	Wavelength	Fiber Type	Pigtail Type	Fiber Length	Connector
	1X2=1X2	L=Latching N=Non-latching	85=850nm 98=980nm 13=1310nm 15=1550nm 35=1310&1550nm 00=customized	SM=SMF-28E M5=MM50/125 M6=MM62.5/125 S= customized	09=900um loose tube 90=900um tight buffer 20=2.0mm fiber 30=3.0mm fiber	0.5=0.5m 10=1.0m 15=1.5m 20=2.0m S=customized	NA=None FP=FC/PC FA=FC/APC SP=SC/PC SA=SC/APC LP=LC/APC LA=LC/APC MU=MU/APC S=customized

* 詳細は、お手数ですがお問い合わせフォームにお願いします。

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