

Mechanical Fiber Optic Switch 1 x 2

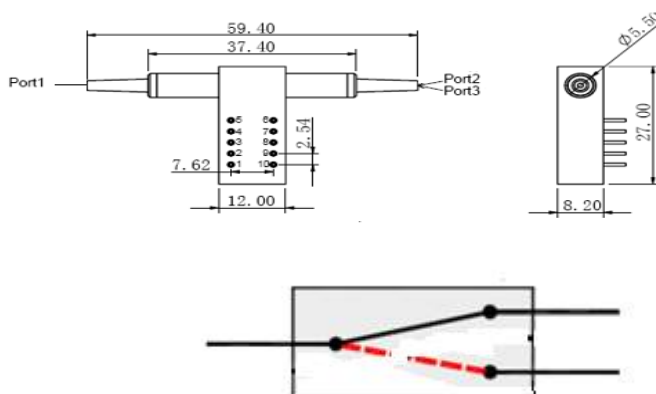
Features	
Low Insertion Loss High crosstalk Compact package	
Application	
OXC, OLP, ROADM Wavelength switch of testing system Channel switch of optic sensor system	

Specifications

Parameters	1×2
Wavelength (nm)	1310, 1550, 1310/1550 nM
Insertion Loss (dB)	≤0.8
Return Loss (dB)	≥50
Crosstalk (dB)	≥55
PDL (dB)	≤0.05
WDL (dB)	≤0.25
TDL (dB)	≤0.25
Repeatability (dB)	≤±0.02
Power Supply (V)	5±0.5
Lifetime (times)	≥10 ⁷
Switch Time (ms)	≤5
Transmission (Mw)	≤500
Operating Operature (°C)	-5~+70
Storage Temperature (°C)	-40~+85
Dimension (mm)	27x12x8.2

Notes: 1. Specified without connectors. 2. Add an additional 0.2dB loss per connector.

Dimension



Electrical Connector Configuration

Non-Latching Type

Optical Path	Electric Drive				Status Sensor			
	Pin 5	Pin 6	Pin 1	Pin 10	Pin2-3	Pin3-4	Pin7-8	Pin8-9
Port1→Port2	GND	+5VDC	N/A	N/A	close	open	open	close
Port1→Port3,	No power		N/A	N/A	open	close	close	open

Latching Type

Optical Path	Electric Drive				Status Sensor			
	Pin 1	Pin 5	Pin 10	Pin 6	Pin2-3	Pin3-4	Pin7-8	Pin8-9
Port1→Port2	GND	+5V Pulse			close	open	open	close
Port1→Port3,			GND	+5VPulse	open	close	close	open

Ordering information

OSW	Port	Wavelength	Mode	Pigtail Type	Fiber Type	Length	Connector
	1x2	13=1310nm 15=1550nm 1315=1310/ 1550	L=Latching N=Non-Latching	1=900um loose tube	1=SMF-28e 2=50/125 OM3 3= 62.5/125	1= 1m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC XX=Other