



MINI Mechanical Fiber Optic Switch (1x1,1x2, 2x2B)

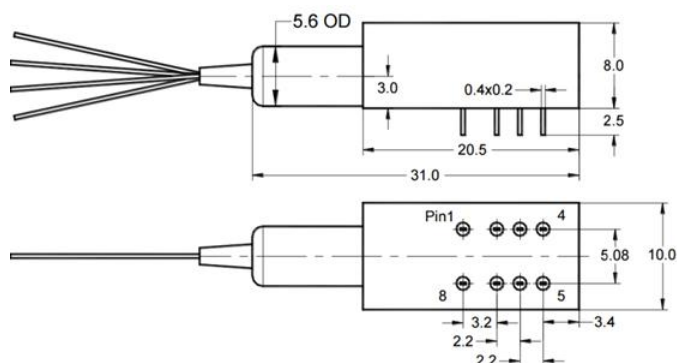
Features	
Low Insertion Loss High crosstalk Compact package	
Application	
OXC, OLP, ROADM Wavelength switch of testing system Channel switch of optic sensor system	

Specifications

Parameters	1×1,1x2, 2x2B
Wavelength (nm)	1310,1550,1310/1550
Insertion Loss (dB)	≤1.0
Return Loss (dB)	≥50
Crosstalk (dB)	≥50
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)	(L)20.5×(W)10×(H)8(±0.2)

Notes: 1. Specified without connectors. 2. Add an additional 0.3dB loss per connector.

Dimension



Optical Function:



Electrical Connector Configuration

Optical Path		Electric	Drive	Sensor Status	
1×1 / 1×2	/ 2×2B	1	8	2-3,6-7	3-4,5-6
Latching	A	GND	+5V	CLOSE	OPEN
	B	+5V	GND	OPEN	CLOSE
Non-Latching	A	N/A	N/A	CLOSE	OPEN
	B	+5V	GND	OPEN	CLOSE

State	1X1(D 1X1)	1X2	2X2 Bypass
A	Light Close	P1-P2	P1-P3
B	P1-P2	P1-P3	P1-P4/P2-P3

		Voltage	Current	Resistor
5V	Latching	4.5~5.5	36~44mA	125Ω
5V	Non-Latching	4.5~5.5	26~32mA	175Ω

Ordering information

MOS W	Port	Wavelength	Mode	Pigtail Type	Fiber Type	Length	Connector
	1x1 1x2 1x1D 2x2B	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