

1X2 Mechanical Optical Switch

Features

- ◆ Low Insertion Loss
- ◆ Low WDL
- ◆ Low cost
- ◆ High Reliability
- ◆ Fast Switch Speed
- ◆ Telcordia GR-1209-CORE-2001
- ◆ Telcordia GR-1221-CORE-1999
- ◆ RoHS

Applications

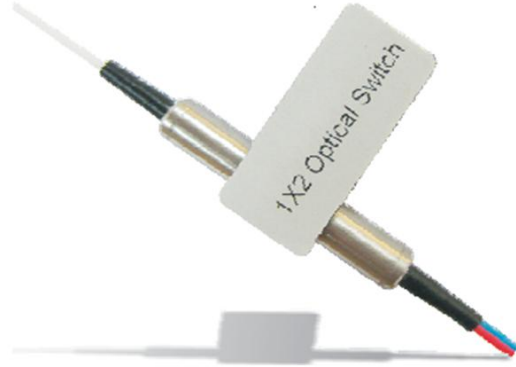
- ◆ IPON Networks
- ◆ Protection
- ◆ Instrumentation

Specifications

Notes:

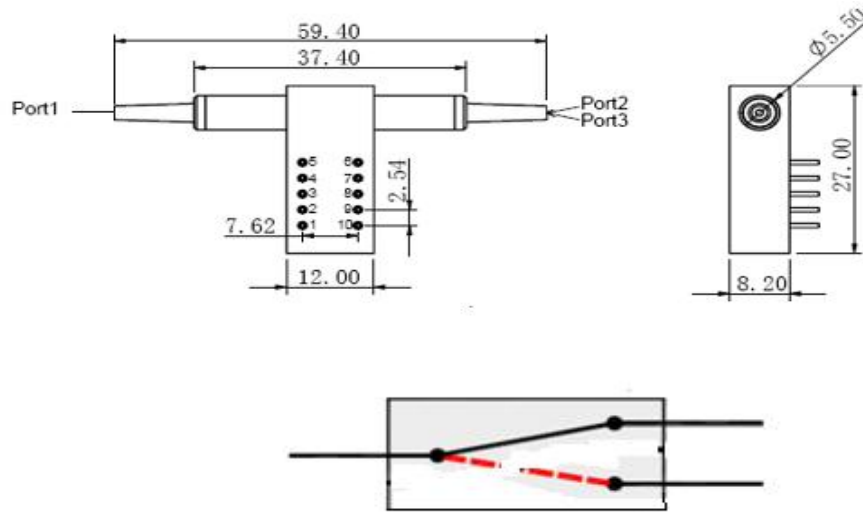
Parameters	Value	Unit
Operation Wavelength	1260~1620 850/1310/1550	nm
Insertion Loss	Type:0.4,Max:0.8	dB
Polarization Dependent Loss	<0.2	dB
Repeatability	<±0.03	dB
Return Loss	>50	dB
Cross talk	>50	dB
Switch time	<10	ms
Switch Type	Latching or Non-latching	
Fiber Type	Corning SMF-28	
Operation Temperature	-5~70	℃
Storage Temperature	-40~85	(℃)
Switch Power Voltage	+5	V
Switch Driving Current at 5v	<300	mA
Dimensions	L27xW12xH8.2	mm

1. Specified without connectors.



Mechanical Dimensions

Standard



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	-	-	close	open	open	close
Port1→Port3	No power		-	-	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	5VPulse	-	-	close	open	open	close
Port1→Port3	-	-	GND	5VPulse	open	close	close	open

Ordering information

MOS	-	xx	x	x	x	x	x	-	xx	x
		Port Configuration	Voltage Type	switch Type	wavelength	Fiber module	Fiber Type		Fiber Length	Connector
M=Mechanical		12=1x2	3=3V	1=Latching	1=1310nm	1=SMF-28E	L=900um Loose tube		05=0.5m	0=None
O=Optical		22=2x2	5=5V	2=Non-Latching	2=1550nm	2=MM 50/125	B=Bare fiber		10=1.0m	1=FC/APC
S=Switch		23=2X2B			3=1260~1620nm	3=MM 62.5/125			12=1.2m	2=FC/APC
		24=2X4			4=850nm	X=Special				3=SC/APC
		44=4X4			5=800~1300nm					4=SC/APC 5=LC/APC