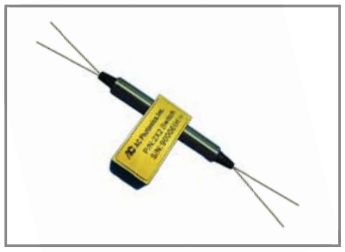
AC Photonics

phone: 408.986.9838
email: sales@acphotonics.com
website: www.acphotonics.com

2x2 Multi-mode Bypass Mechanical Fiberoptic Switch



Key Features

- Unmatched Low Cost
- Low Insertion Loss
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free Optical Path
- Latching or Non-Latching

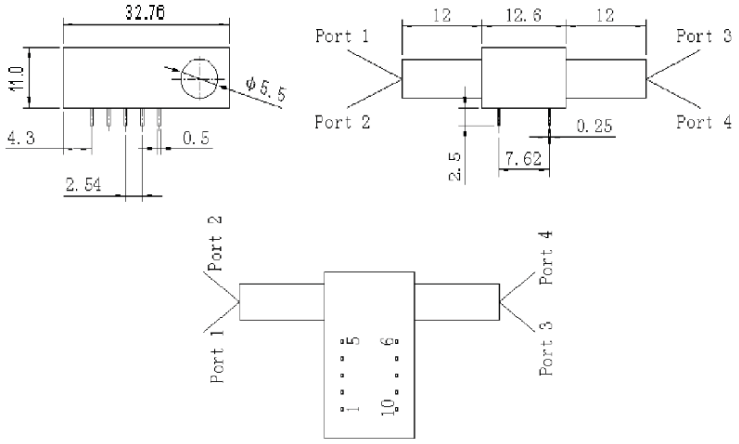
Applications

- Optical Netrwork Protection/Restoration
- Optical Signal Routing
- Configurable Optical Add/Drop
- Transmitter and Receiver Protection
- Network Test Systems
- Instrumentation

Performance Specifications

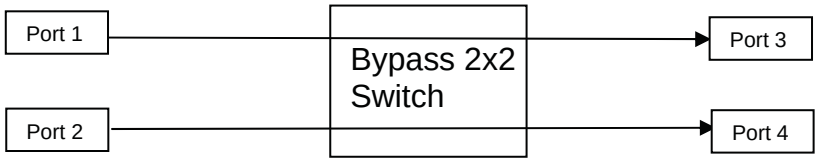
Parameter	Specifications			
Operating Wavelength	850nm or 1310nm ± 40nm		850nm / 1310nm	
Insertion Loss	P Grade	A Grade	P Grade	A Grade
	≤ 1.0dB	≤ 1.2dB	≤ 1.2dB	≤ 1.4dB
Wavelength Dependent Loss	≤ 0.25dB		≤ 0.30dB	
Polarization Dependent Loss	≤ 0.05dB			
TDL	≤ 0.25dB			
Channel Cross Talk	≥ 35dB			
Return Loss	≥ 30dB			
Switching Speed (Typ.)	4ms			
Operating Voltage	5V			
Durability (Cycles)	≤ 10 Million			
Optical Power	500mW			
Operating Temperature	0 to +70°C			
Storage Temperature	-40 to +85°C			
Fiber Type	50/125 Multi-mode、62.5/125 Multi-mode (by Customer specify)			
Fiber Length	Customer Specify			
Package Dimensions	L32.76mm x W12.6mm x H11.0mm (Or custom size)			

Mechanical Dimensions

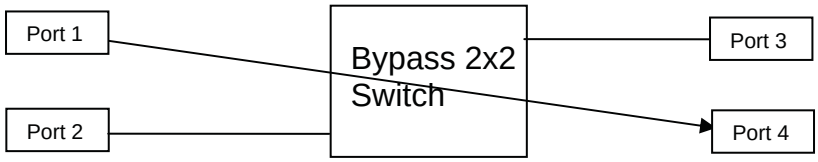


Bypass 2x2 switch ports configurations

Normal Mode



Bypass Mode



Electrical Pin Configuration (Type B)

Optical Path		**Port1- Port3 and Por2 - Port4**		**Port1- Port4**	
Electric Drive	Non-Latching	Pin1	Pin10		
	Latching	Pin1	Pin5	Pin6	Pin10
		V+	GND	GND	V+
Sensor Status	Non-Latching and Latching	Pin2-3, Pin8-9 Open		Pin2-3, Pin8-9 Close	
		Pin3-4, Pin7-8 Close		Pin3-4, Pin7-8 Open	

Ordering Information

MMS □	□□	□□□□	□	□	□	□□
Option	**Operating Wavelength**	**Port**	**Grade**	**Pigtail Style**	**Fiber Length**	**In/Out Connector**
L = Latching N = Non-Latching	85 = 850nm 13 = 1310nm 83 = 850/1310nm	BP2B = Bypass 2x2 Type B	P = P Grade A = A Grade	1 = Bare Fiber 2 = 900um Jacket	1 = 1.0m 2 = 2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC