



# 1X2 Optical Switch

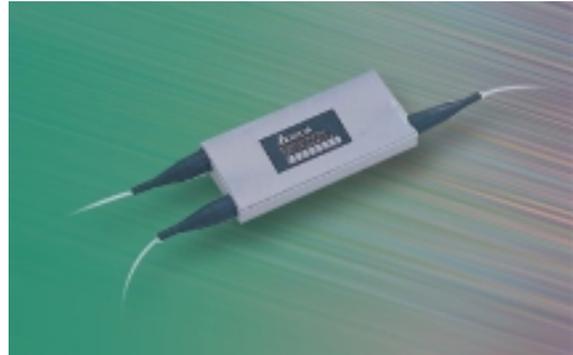
## OPTOMECHANICAL TYPE

### Features:

- Designed to meet Bellcore 1073 and 1221 performance and reliability standards
- Low insertion loss of 0.5 dB, typical
- High repeatability and low crosstalk at <-70 dB
- High switching speed of 5 ms, typical
- Reduces fiber routing problems
- Operates under direct control
- Latching type
- Compact size of 5.5x22x48 mm

### Applications:

- System redundancy
- Add/drop
- Route diversity
- Signal routing and monitoring
- Test access
- Component testing



Model Name: OPC-S112A-B11L0

Specifications	Unit	
Insertion Loss <sup>1,2,3</sup>	dB	0.5 typ – 0.8 max
Back Reflection	dB	-55 max
Crosstalk	dB	-70 max
PDL	dB	0.1 max
Wavelength Window <sup>4</sup>	nm	1280~1340, 1520~1580
Fiber Type <sup>5</sup>		Single Mode
Switching Time	ms	5 typ – 8 max
Maximum Operating Current	mA	50
Nominal Operating Voltage <sup>6</sup>	V <sub>dc</sub>	5
Control <sup>7</sup>		PCB mountable
Repeatability	dB	±0.02 max
Durability	cycle	10 million min
Housing Dimensions (HxWxL)	mm	5.5x22x48
Operating Temperature	°C	0 ~ 65
Humidity	RH	60°C / 90% / 14 days
Storage Temperature	°C	-40 ~ +75

All specifications referenced without connectors

1. Insertion loss based on 1550 nm single wavelength
2. Add 0.2 dB for 1310/1550 nm dual wavelength
3. Lower insertion loss at 1310nm, 1550nm, or other wavelength available upon request
4. Optimized at 1310 or 1550 nm (other wavelength available upon request)
5. Multimode switches available upon request
6. Operating voltage range from 4.75 to 5.5 volts (at room temperature)
7. Non-latching type available upon request

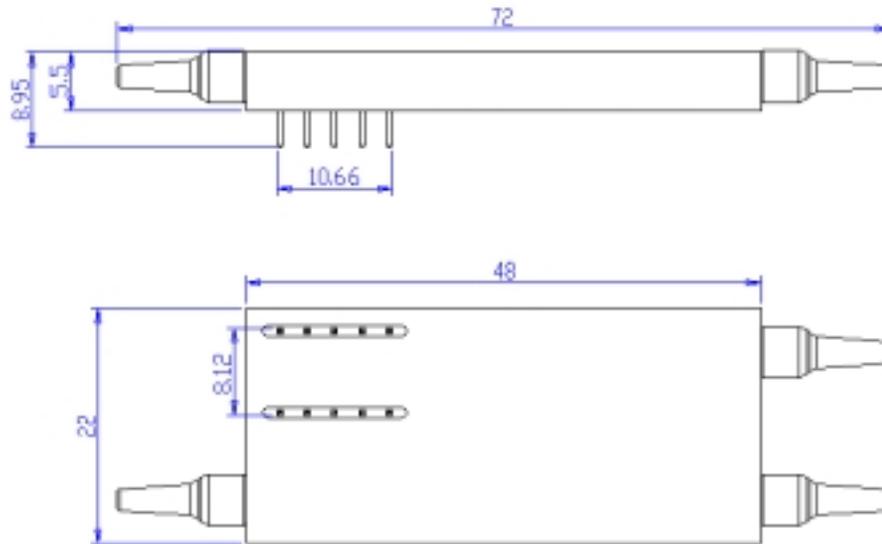
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**Dimension:**

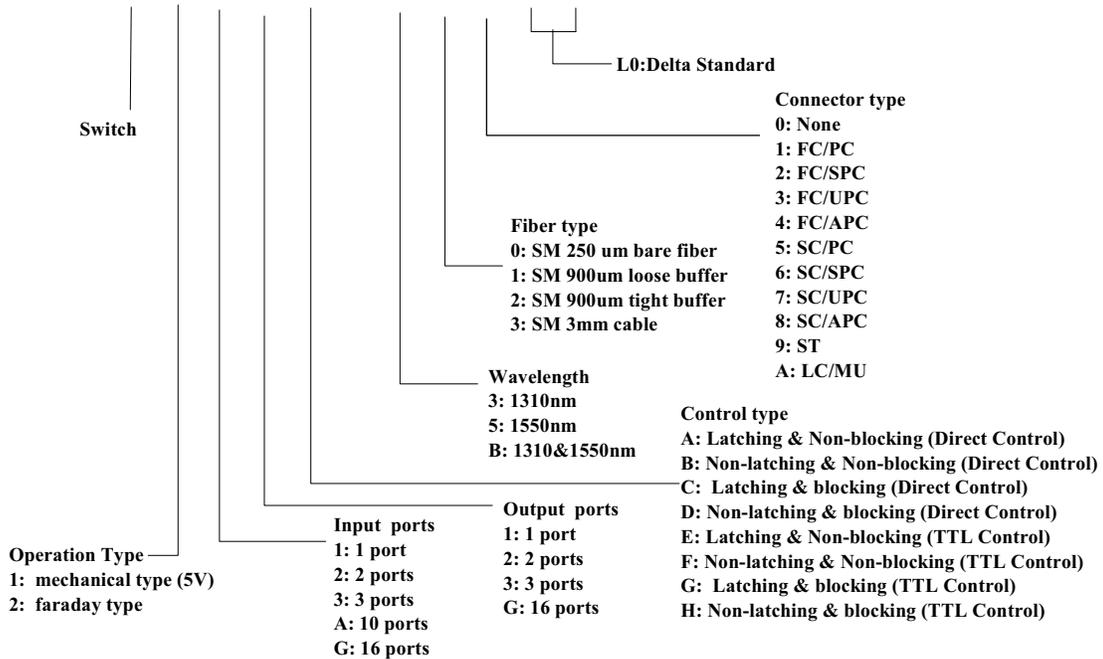


**Order Information:**

OPC SWITCH Model Name

EX:OPC-S122A-B11L0 This mechanical switch has two channels input, two channels output with 5V driven latching and non-blocking control. fit for both 1310 & 1550nm, fiber type is single mode loose buffer and connector type is FC/PC. It's a Delta standard model 1

**OPC** - **S** **X** **X** **X** **X** - **X** **X** **X** **X** **X**



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