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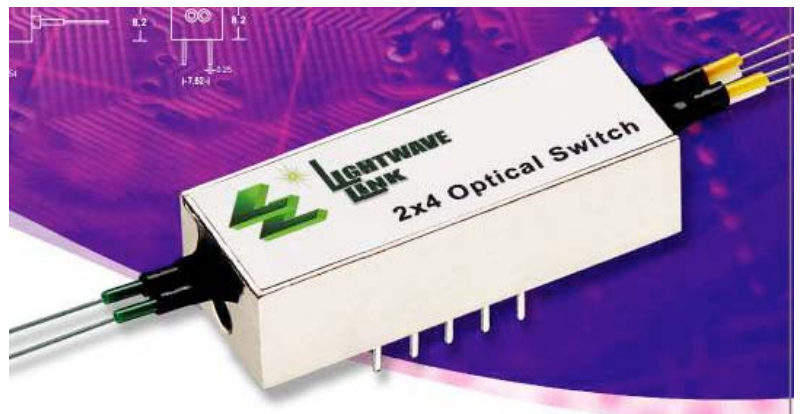
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## *2 x 4 Optical Switch*

### **Key Feature**

- >Wide choice of configurations
- >Compact size
- >ROHS compliance
- > Low crosstalk



### **Applications**

- >Optical communications
- >Network monitoring and protection
- >Test equipment
- >Signal routing
- >Research and development

### **Description**

Lightwave Link Fiber Optical Switches are based on Opto-Mechanical technology with proven reliability

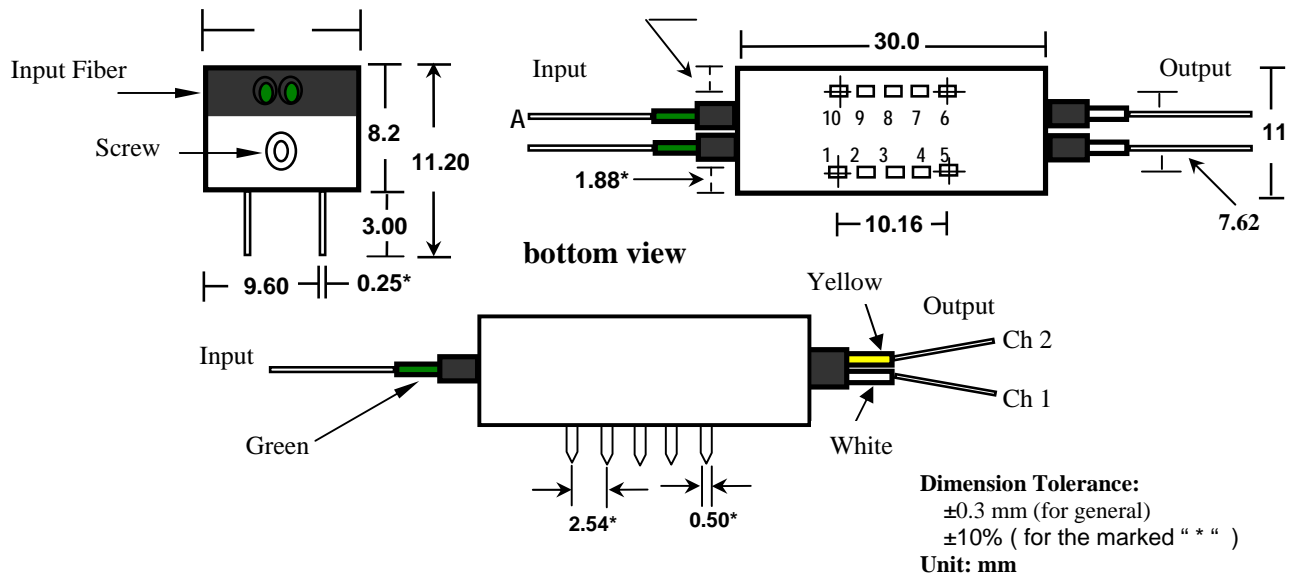
With the state-of-the-art technology developed by Lightwave Link, performance of LWL-FOSWs is optimized for a wide range of fiber-optic applications.

Designed is based on worldwide telecommunications, data communications, system monitoring and computer testing requirements.

**Fully complied with Telcordia GR-1073-CORE test and complied with applicable items of Telcordia GR-1221-CORE test.**



## Outline Drawing



## Electrical Characteristics

Specification	
Coil Resistance ( $\Omega$ )	125 ( $\pm 10\%$ )
Operating Current (mA), typ.	40
Operating Voltage (V), typ.	5.0
Operating Voltage (V), range	4.5 ~ 5.5
Power Consumption (mW), typ.*	0.2

\* When +5V DC signal is applied to only one coil.

### Electro-Optical Characteristics

Parameter		Specification	
		S.M. fiber	M.M. fiber
Wavelength Range (nm)		1280 ~ 1340	850/1300
		1520 ~ 1625	
Insertion Loss (dB)	Typical	0.6	0.5
	MAX	1.0	0.8
PDL (dB)		≤ 0.1	—
WDL (dB)		≤ 0.3	—
Return Loss (dB)		≤ -45	—
Switching Time (ms)		≤ 5	≤ 5
Crosstalk (dB)		≤ -80	
Repeatability (dB)		≤ 0.05	

### Mechanical & Environmental

Parameter	Specification
Operating Temperature Range (°C)	-5 ~ 70
Storage Temperature Range (°C)	-40 ~ 70
Humidity	5 ~ 85 % RH
Durability (Cycles)	> 10 <sup>7</sup>
Dimension (Hmm×Wmm×Lmm)	8.2×11×30
Weight (g)	< 20

\*All above are general specifications , except custom requirement .