

SWITCH-Cubes

>Electro-mechanical switch, 1x16 single mode and multi mode

Key Features

- High switching speed
- Built-in position monitoring
- Direct Drive
- RoHS compliance



Applications

- Optical network monitoring
- Optical measurement systems

Description

The Switch-Cube 1x16 Optical Switches (LWL-FOSWs) are based on Opto-Mechanical technology with proven reliability. With the state-of-the-art technology developed, the performance of LWL-FOSWs is optimized for a wide range of fiber-optic applications.

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

Technical Specifications (Optical Characteristics)

Parameter		Specification	
		S.M. fiber	M.M. fiber
Wavelength Range (nm)		1280 ~ 1340	850/1300
		1520 ~ 1625	
Insertion Loss (dB)	Typical	2.2	2.0
	MAX	2.	2.4
PDL (dB)		≤ 0.1	—
WDL (dB)		≤ 0.3	—
Return Loss (dB), typ.		≤ -40	—
Switching Time (ms)		≤ 10	≤ 10
Crosstalk (dB)		≤ -80	
Repeatability (dB)		≤ 0.1	

Technical Specifications (Electrical Characteristics)

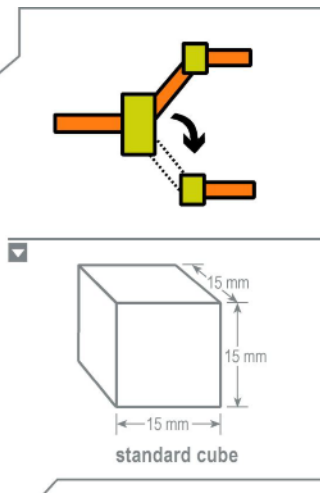
Parameter	Specification	
	S.M. fiber	M.M. fiber
Operating Current (mA), max	1200 (±10%)	
Operating Current (mA), typ.	260 (±10%)	
Operating Voltage (V), typ.	5.0	
Operating Voltage (V), range	4.5 ~ 5.5	
Power Consumption (mW)	1300 (±10%)	

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Our SWITCH-Cubes switch and control your data flow.



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SWITCH-Cubes

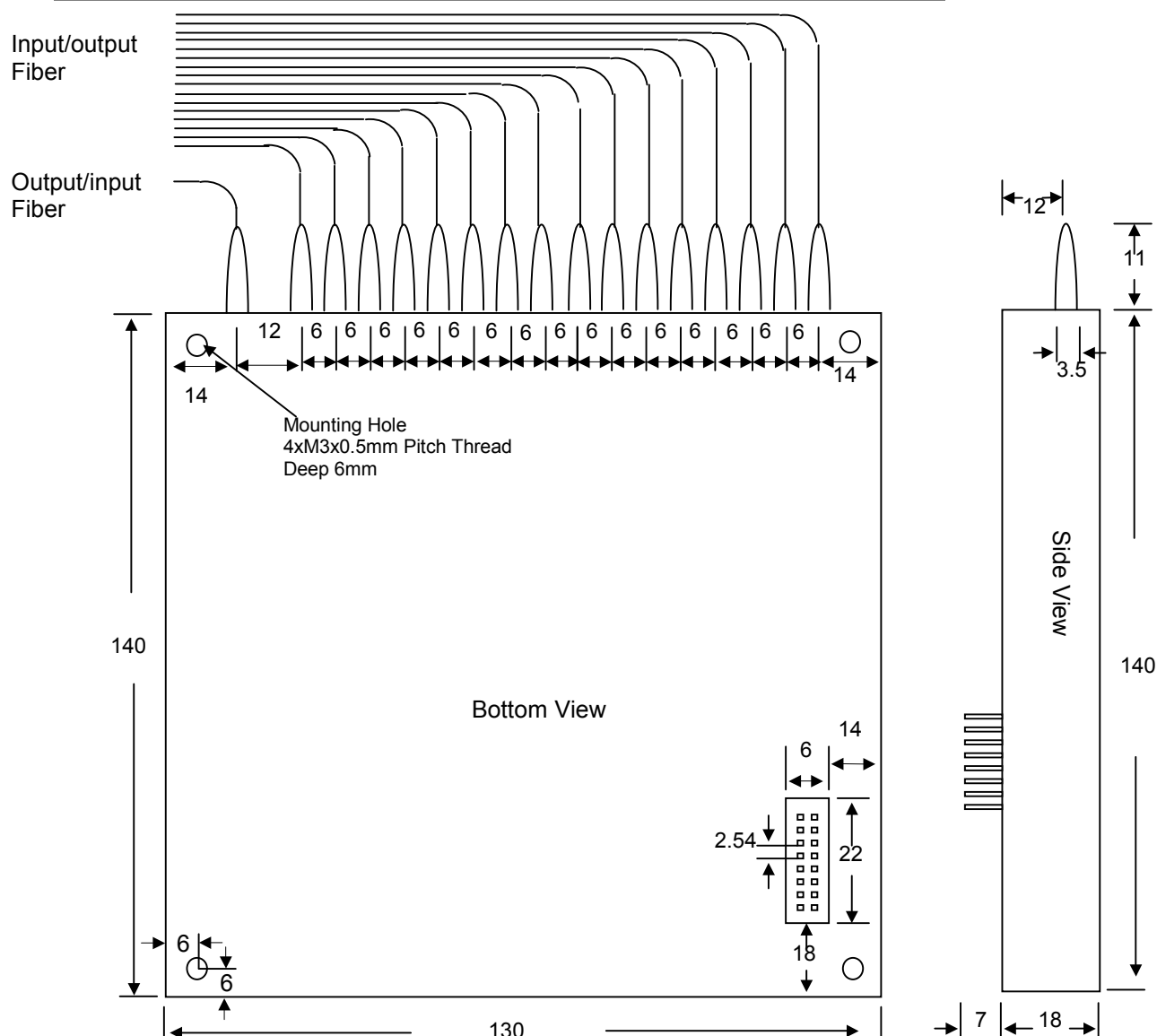
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Technical Specifications (Mechanical & Environmental)

Parameter	Specification	
	S.M. fiber	M.M. fiber
Operating Temperature Range (°C)	-5 ~ 70	-5 ~ 70
Storage Temperature Range (°C)	-40 ~ 70	
Humidity	5 ~ 85 % RH	
Durability (Cycles)	> 10 ⁷	
Dimension (Hmm×Wmm×Lmm)	18×130×140	
Weight (g)	< 1000	

Outline Drawing

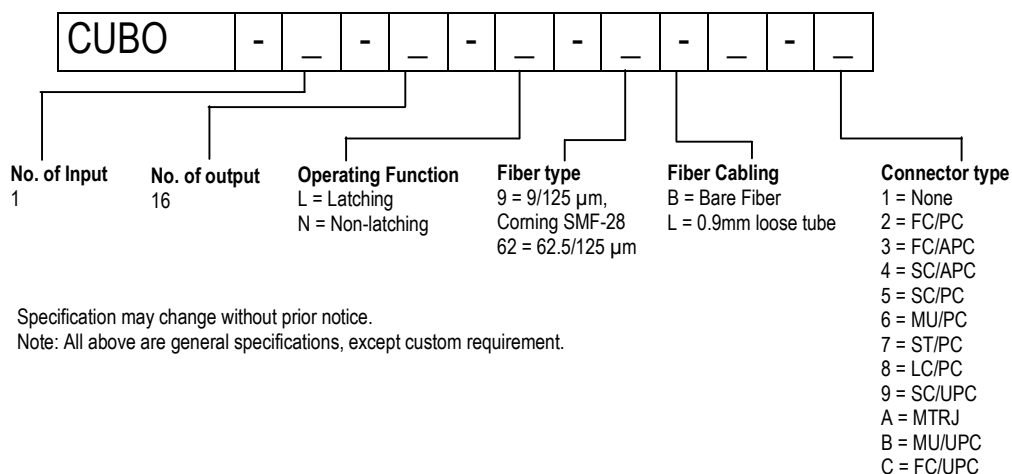


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Ordering Information



Specification may change without prior notice.

Note: All above are general specifications, except custom requirement.

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