

SWITCH-Cubes

>Electro-mechanical switch, 1x4, single mode and multi mode

Features

- High switching speed
- Built-in position monitoring
- TTL input
- RoHS compliance



Applications

- Optical network monitoring
- Optical measurement systems

Description

Cubo's 1x4 Optical Switches are based on opto-mechanical technology with proven reliability. With the state-of-the-art technology, the performance 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.

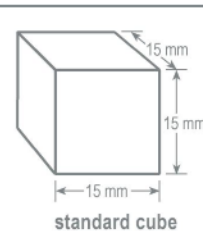
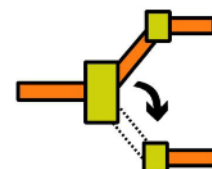
Technical Specifications

Electro-Optical Characteristics

Parameter	single mode	multi mode
Wavelength Range (nm)	1280 - 1340 1520 - 1625	850 / 1300
Insertion Loss (dB)	≤ 1.2	
Back Reflection (dB), typ.	≤ -45	-
PDL (dB)	≤ 0.1	-
Cross-Talk (dB)	≤ -60	
Switching Time (ms)	≤ 10.0	
Repeatability (dB)	± 0.05	

CUBO

Our SWITCH-Cubes switch and control your data flow.



Cube Optics AG



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Mechanical & Environmental

Parameter	1x4
Operating Temperature Range (°C)	- 5 - +70
Humidity (%RH)	5 - 85
Durability (cycles)	> 10 ⁷
Fiber pigtail	S.M. Fiber
Dimensions (HmmxWmmxDmm)	18x18x76 (with connectors) 15x76x76 (with connectors)
Weight (g)	150

1. All Specifications referenced without connectors

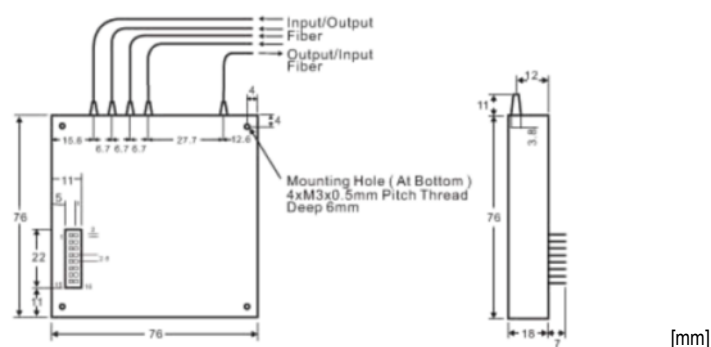
2. Measured at 1550 nm

3. Add 0.2 dB for Insertion loss in 1310/1550 nm dual wavelength

Electrical Characteristics

Parameter	1x4
Operating Voltage (V), typ.	5.0
Operating Voltage (V), range	4.5 - 5.5
Power-Consumption (W), typ	1.0
Power-Consumption (W), standby	0.1

Outline Drawing



Ordering Information

CUBO											-		-		-		-		-		-	
Number of Inputs 1		Number of Outputs 4		Operating Function L = Latching N = Non-Latching		Fiber type 9 = 9/125 μm, Corning SMF-28 62 = 62.5/125 μm		Fiber cabling B = Bare fiber L = 0.9 mm Loose Tube		Connector Type 1 = none 2 = FC/PC 3 = FC/APC 4 = SC/APC 5 = SC/PC 6 = MU/PC 7 = ST/PC 8 = LC/PC 9 = SC/UPC A = MT/RJ B = MU/UPC C = FC/UPC												

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