

SWITCH-Cubes

> Electro-mechanical switch, 2x2, single mode and multi mode

Features

- Compact size (8.9x18x39.5 mm)
- Built-in position monitor
- RoHS compliance



Applications

- Optical network protection, configuration and restoration
- Reconfigurable add/drop multiplexers
- Signal loopback
- Transmission equipment protection

Description

Cubo's 2x2 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.

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

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

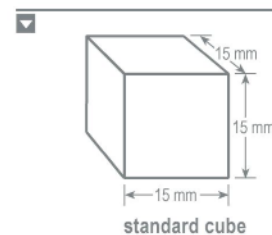
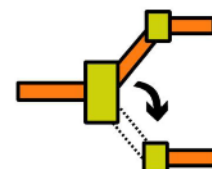
Technical Specifications

Electro-Optical Characteristics

Parameter	single mode	multi mode
Wavelength Range (nm)	1280 - 1340 1520 - 1625	850 / 1300
Insertion Loss (dB)	≤ 0.6 (typ.)	1.0 (max.)
Back Reflection (dB), typ.	≤ -50	-
PDL (dB)	≤ 0.1	-
Cross-Talk (dB)	≤ -60	
Switching Time (ms)	≤ 10.0	
Repeatability (dB)	± 0.05	



Our SWITCH-Cubes switch and control your data flow.



standard cube



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Mechanical & Environmental

Parameter	2x2
Operating Temperature Range (°C)	- 5 - 70
Humidity (%RH)	5 - 85
Durability (cycles)	> 10 ⁷
Dimensions (HmmxWmmxLmm)	8.9x18x39.5
Weight (g)	25

1. All Specifications referenced without connectors

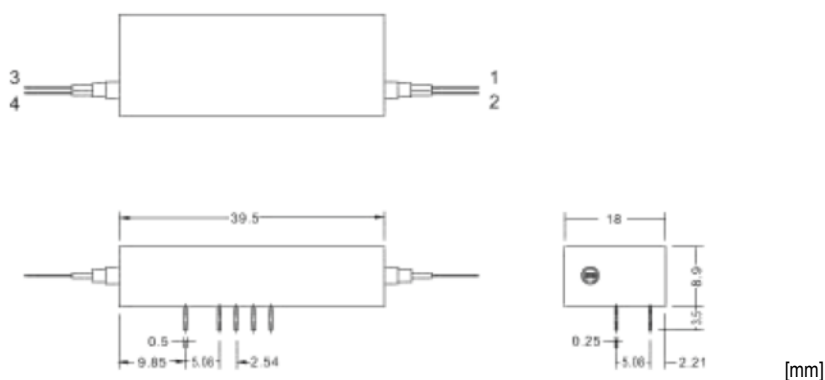
2. When + 5V DC signal is applied to only coil

Electrical Characteristics

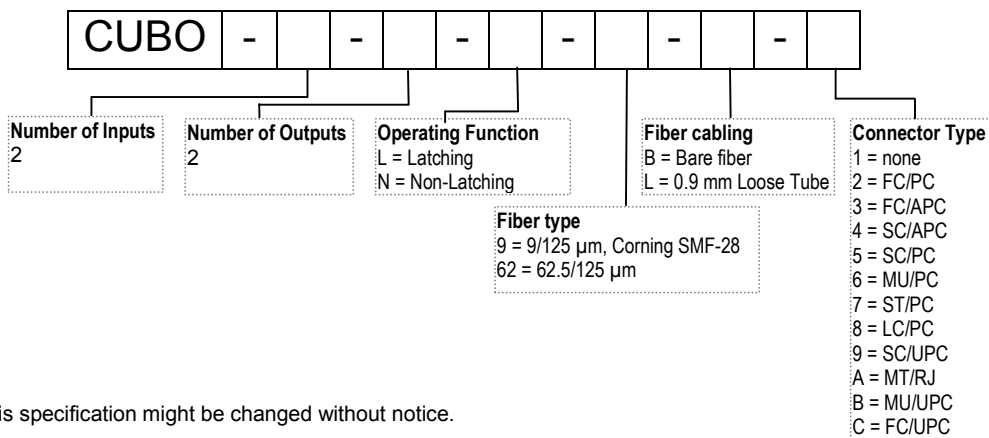
Parameter	Latching	Non-Latching
Coil Resistance (Ω)	125 (±10%)	64.3 (±10%)
Operating Current (mA), typ	40	78
Operating Voltage (V), typ.	5.0	
Operating Voltage (V), range	4.5 - 5.5	
Power-Consumption (W), typ *	0.2	0.4

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

Outline Drawing



Ordering Information



This specification might be changed without notice.

Corporate Office:

Cube Optics AG
Robert-Koch-Strasse 30
55129 Mainz
Germany

Fon: +49-6131-69851-0
Fax: +49-6131-69851-79
e.mail: sales@cubeoptics.com

www.cubeoptics.com

Cube Optics AG

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