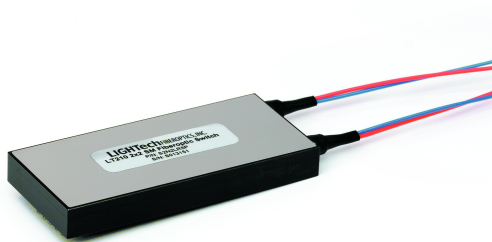
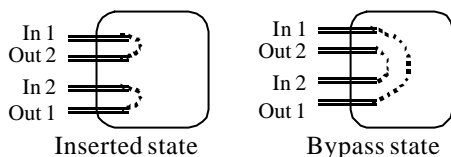


2X2 Optical Switch

The LT210 Series 2x2 optical switches offer PCB mountability combined with an industry leading small footprint. The module height of 5.5mm permits dense system configuration. The LT210 incorporates patented reflective optics technology to deliver outstanding performance and reliability.



Configurations



Features

- Meets Telcordia 1073 & 1221 standards
- High switching speed at 8 ms, typical
- High repeatability and low crosstalk at <-70 dB
- Module configuration reduces fiber routing problems
- Patented reflective optics permit operation from 0~65 °C
- PCB mountable
- Operates under direct control
- Compact size - 7 x 24 x 56 mm

Applications

- System redundancy
- Ring restoration
- Signal routing
- Add/drop
- Route diversity
- Component testing
- Loop back
- R&D laboratories

Specifications

Item	Unit	Specifications
Insertion Loss ^{1,2,3}	dB	0.8 typ. ~ 1.0 max
Repeatability	dB	< ± 0.02
Switching Time	ms	8 typ. ~ 10 max
Operating Temperature	°C	0 to 65
Back Reflection	dB	< -55
Crosstalk	dB	< -70
Maximum Operating Current	mA	54
Nominal Operating Voltage ⁴	V DC	5
PDL	dB	<0.1
Durability	cycle	10 million min
Control	--	Direct / PCB mounting
Housing Dimensions (H x W x L)	mm	7x24x56
Wavelength Window ⁵	nm	1280~1340, 1520~1580

All specifications referenced without connectors.

All specifications referenced with single-mode fiber.

Multimode switches available upon request.

1.Insertion loss based on 1550 nm single wavelength.

2.Add 0.4 dB insertion loss for loop back (bypass).

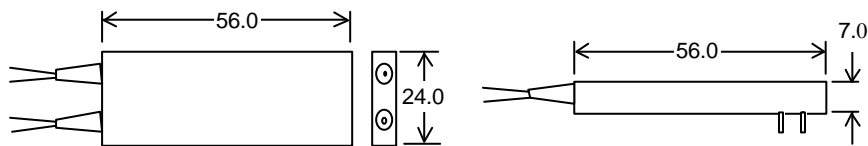
3.Add 0.2 dB for 1310/1550 nm dual wavelength.

4.Operating voltage range from 4.75 to 5.5 volts (at room temperature).

5.Optimized at 1310 or 1550 nm (other wavelengths available upon request).

2X2 Optical Switch

Dimensions:



Ordering Information:

Example: S2N2LR5P-FCA2

Code	Blocking
B	Blocking
N	Non-blocking

Code	Wavelength
3	1310 nm
5	1550 nm
D	1310/1550 nm ⁽²⁾

Code	Connector Type
FCA	FC/APC
FCP	FC/PC
FCU	FC/UPC
SCA	SC/APC
SCP	SC/PC
SCU	SC/UPC
STP	ST/PC

Code	Pigtail ⁽³⁾
2	900 μm loose tube ⁽¹⁾
9	900 μm tight buffer
S	Special

(1) Product standards
 (2) Causes specification change
 (3) Length: 1 ± 0.1 meter

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