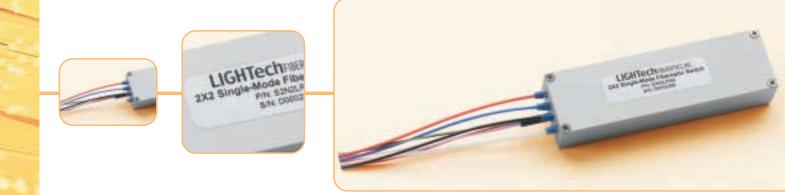
2x2 Optical Switch

The LT200 Series 2x2 optical switches are available with direct or TTL control. They feature our patented reflective optics technology that delivers excellent performance and reliability from 0 - 65 °C.

- Designed to meet Telcordia 1073 and 1221 performance and reliability standards
- High switching speed at 15 ms, typical
- High repeatability and low crosstalk at < -70 dB
- Reduces fiber routing problems
- Patented reflective optics permit operation from 0-65 °C
- Operates under direct or TTL control
- Compact size 14 x 20 x 70 mm

Applications

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





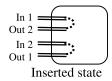


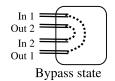
Corporate Office: 1981 Adams Avenue • San Leandro, CA 94577-1005 • Tel 510.567.8700 • Fax 510.567.8701 Customer Service: Sales Support 510.567.8503 / 510.567.8308 • Fax 510.567.8506 • Toll Free 800.567.1688 • info@lightech.net

LIGHTechFiBeroptics, INC.™

1981 Adams Avenue San Leandro, CA 94577 510.567.8700 510.567.8701 [fax] <u>Sales Support</u> 510.567.8503 510.567.8308 510.567.8506 [fax] 800.567.1688 [Toll Free]

Configurations





Performance Specifications

Specifications	LT200 Series 2x2	Unit
Insertion Loss ^{1,2,3}	0.8 typ – 1.0 max	dB
Repeatability	< ± 0.02	dB
Switching Time ⁴	15 typ - 25 max	ms
Operating Temperature	0 to 65	°C
Back Reflection	< -55	dB
Crosstalk	< -70	dB
Maximum Operating Current	54	mA
Nominal Operating Voltage ⁵	5	V DC
PDL	< 0.1	dB
Durability	10 million min	cycle
Control ⁶	Direct/Wire Harness	
Housing Dimensions (HxWxL)	14x20x70	mm
Wavelength Window 7	1280~1340, 1520~1580	nm

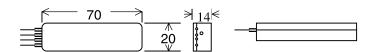
All specifications referenced without connectors

All specifications referenced with single-mode fiber

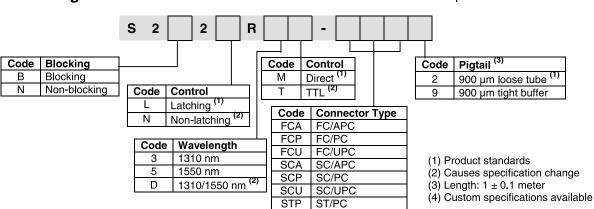
Multimode switches available upon request

- 1. Insertion loss based on 1550 nm single wavelength
- 2. Add 0.6 dB insertion loss for loop back (bypass)
- 3. Add 0.2 dB for 1310/1550 nm dual wavelength
- 4. For non-latching, 40 ms max
- 5. Operating voltage range from 4.75 to 5.5 volts (at room temperature)
- 6. TTL control is available as an option
- 7. Optimized at 1310 or 1550 nm (other wavelengths available upon request)

Housing Dimensions



Ordering Information: (4)



The information set forth in this document reflects our best knowledge at the time of issue. The document is subject to changes pursuant to new developments and findings, and a similar reservation applies to the properties of the products described. We undertake no liability for results obtained by usage of our products and information.

Example: S2N2LR5M-FCA2