

1xN Optical Switch

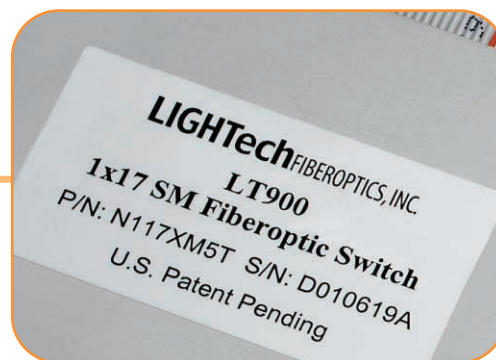
LT900

The LT900 Series of 1xN (1x3 – 1x26) optical switches combine world class switching speed with low insertion loss and excellent repeatability. The LT900 incorporates LIGHTech's patented reflective optics technology to deliver outstanding performance and reliability.

- Designed to meet Telcordia performance and reliability standards
- Insertion loss of 0.4 dB, typical
- Repeatability of ± 0.02 dB
- Crosstalk of < -70 dB
- Patented reflective optics permits operation from 0-55° C
- Operates with TTL or RS 232 control
- Compact size of 27.3 x 79.0 x 140.0 mm

Applications

- Wavelength monitoring
- System monitoring
- Test access
- OEM network test systems



Fiberoptic Solutions at the Speed of

LIGHTechTM
FIBEROPTICS, INC.

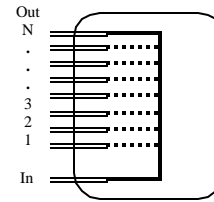
Corporate Office: 1981 Adams Avenue • San Leandro, CA 94577-1005 • Tel 510.567.8700 • Fax 510.567.8701
Customer Service: Sales Support 510.567.8503 / 510.567.8307 • Fax 510.567.8506 • Toll Free 800.567.1688 • info@lightech.net

www.lightech.net

1981 Adams Avenue
 San Leandro, CA 94577
 510.567.8700
 510.567.8701 [fax]

Sales Support
510.567.8503
510.567.8505
510.567.8506 [fax]
800.567.1688 [Toll Free]

Configuration

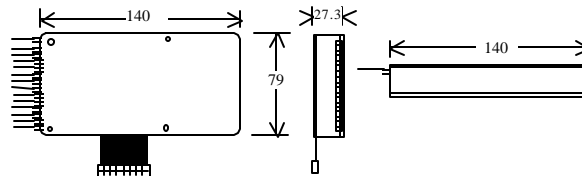


Performance Specifications

Specifications	LT900 Series 1x3 - 1x26	Units
Insertion Loss ^{1,2}	0.6 typ – 1.0 max	dB
Repeatability	< ± 0.02	dB
Switching Time	65 + 10/channel	ms
Operating Temperature	0 to 50	°C
Back Reflection	< -55	dB
Crosstalk	< -70	dB
Nominal Operating Voltage ³	5	V DC
Power consumption	1.0	W
PDL	< 0.08	dB
Durability	10 million min	cycle
Control	TTL: 16-pin or 26-pin or RS-232	--
Housing Dimensions (HxWxL)	27.3 x 79 x 140	mm
Wavelength Window ⁴	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 0.2 dB for 1310/1550 nm dual wavelength
 3. Operating voltage range from 5.0 to 6.0 volts (at room temperature)
 4. Optimized at 1310 or 1550 nm (other wavelengths available upon request)

Housing Dimensions:



Ordering Information: ⁽⁴⁾

Example: N112XM5T-FCA2

Code	# of Input Channels
1	1

Code	# of Output Channels
03	3
04	4
05	5
06	6
07	7
Etc.	

Code	Wavelength
3	1310 nm ⁽¹⁾
5	1550 nm ⁽¹⁾
D	1310/1550 nm ⁽²⁾
S	Special

Code	Control
R	RS-232
T	TTL 16 ⁽¹⁾
Q	TTL 26

Code	Connector Type
FCA	FC/APC
FCP	FC/PC
FCU	FC/UPC
SCA	SC/APC
SCP	SC/PC
SCU	SC/UPC
STP	ST/PC
XXX	No Connectors
SSS	Special

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

- (1) Product standards
- (2) Cause specification change
- (3) Length: 1 ± 0.1 meter
- (4) Custom specifications available

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.