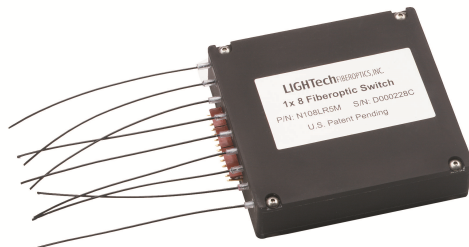
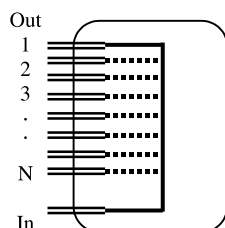


## 1XN Optical Switch

The LT800 Series 1xN (1x3 - 1x8) optical switches combine high switching speed with low insertion loss and high repeatability. They feature our patented reflective optics technology that delivers excellent performance and reliability from 0 - 65 °C.



### Configurations



### Specifications

Item	Unit	Specifications
Insertion Loss <sup>1,2</sup>	dB	0.6 typ. ~ 1.0 max
Repeatability	dB	< ± 0.02
Switching Time <sup>3</sup>	ms	15 typ. ~ 25 max
Operating Temperature	°C	0 to 65
Back Reflection	dB	< -55
Crosstalk	dB	< -70
Maximum Operating Current	mA	88
Nominal Operating Voltage <sup>4</sup>	V DC	5
PDL	dB	<0.1
Durability	cycle	10 million min
Control	--	TTL / 14-pin out
Housing Dimensions (H x W x L)	mm	20.5 x 85 x 80
Wavelength Window <sup>5</sup>	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 0.2 dB for 1310/1550 nm dual wavelength.

3.For non-latching, 40ms max.

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).

### Features

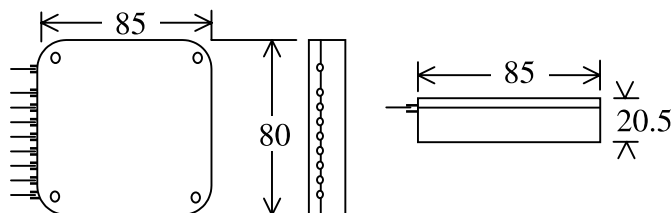
- Meets Telcordia 1073 & 1221 standards
- Insertion loss of 0.6 dB, typical
- High switching speed of 15 ms, typical
- High repeatability and low crosstalk at < -70 dB
- Patented reflective optics permits operation from 0-65 °C
- Operates with TTL control
- Compact size of 20.5 x 85 x 80 mm

### Applications

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

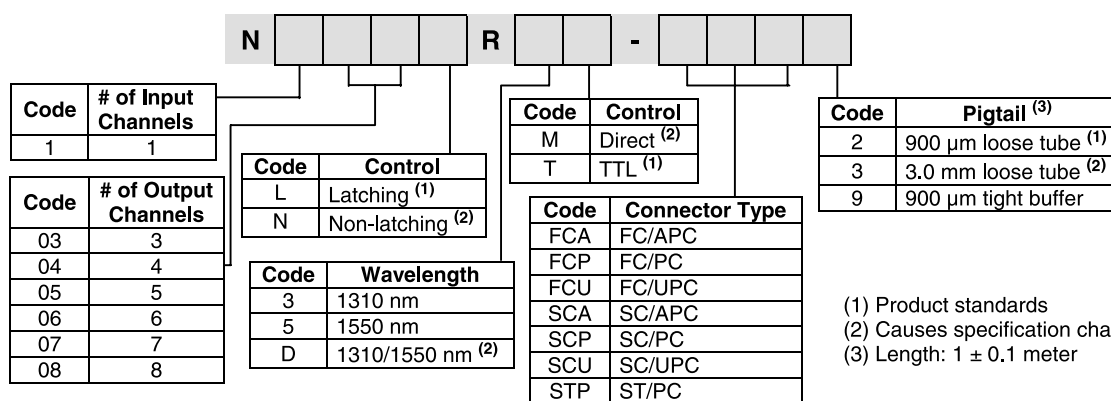
# 1XN Optical Switch

## Dimensions:



## Ordering Information:

Example: N108LR5T-FCA2



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

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.