

1xN Optical Switch

LT800

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.

- Designed to meet Telcordia 1073 and 1221 performance and reliability standards
- Low 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 permit operation from 0-65 °C
- Operates under TTL control
- Compact size - 20.5 x 80 x 85 mm

Applications

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



Fiberoptic Solutions at the Speed of

LIGHTechTM
FIBEROPTICS, INC.

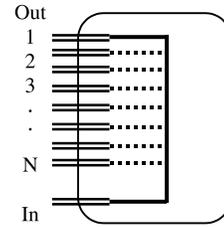
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Configuration



Performance Specifications

Specifications	LT800 Series 1x3 - 1x8	Unit
Insertion Loss ^{1,2}	0.6 typ – 1.0 max	dB
Repeatability	< ± 0.02	dB
Switching Time ³	15 typ - 25 max	ms
Operating Temperature	0 to 65	°C
Back Reflection	< -55	dB
Crosstalk	< -70	dB
Maximum Operating Current	88	mA
Nominal Operating Voltage ⁴	5	V DC
PDL	< 0.1	dB
Durability	10 million min	cycle
Control	TTL / 14-pin out	--
Housing Dimensions (HxWxL)	20.5x85x80	mm
Wavelength Window ⁵	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

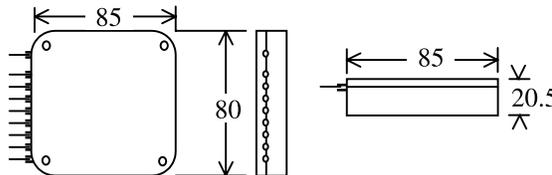
2. Add 0.2 dB for 1310/1550 nm dual wavelength

3. For non-latching, 40 ms max

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

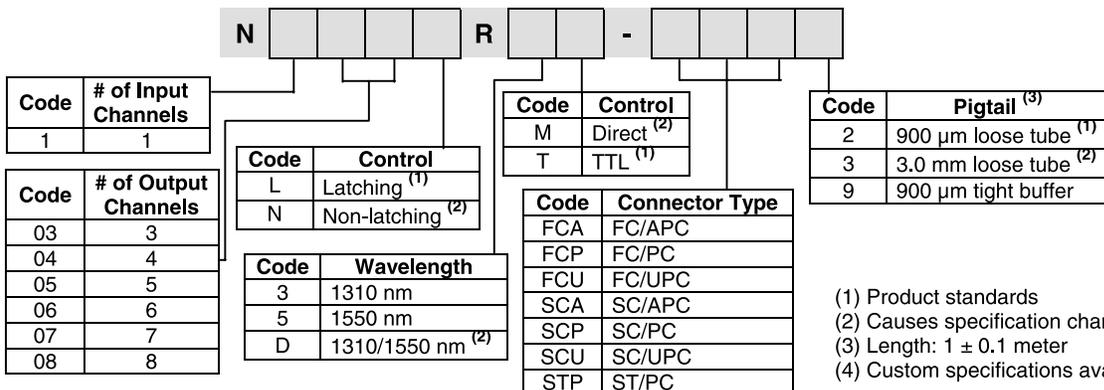
5. Optimized at 1310 or 1550 nm (other wavelengths available upon request)

Housing Dimensions:



Ordering Information: ⁽⁴⁾

Example: N108LR5T-FCA2



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

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