

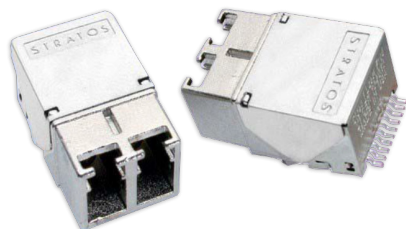
LxF-LP11xx Low Profile Optical Transceiver

Fast Ethernet Applications 3.3V, 1310nm LED,
Multimode, Up to 2.0Km

Applications

The LxF-LP11xx multimode glass optical fiber transceivers provide low profile, cost effective solutions for fast Ethernet multimode (up to 2.0 Km) optical fiber data links with a duplex LC connector interface.

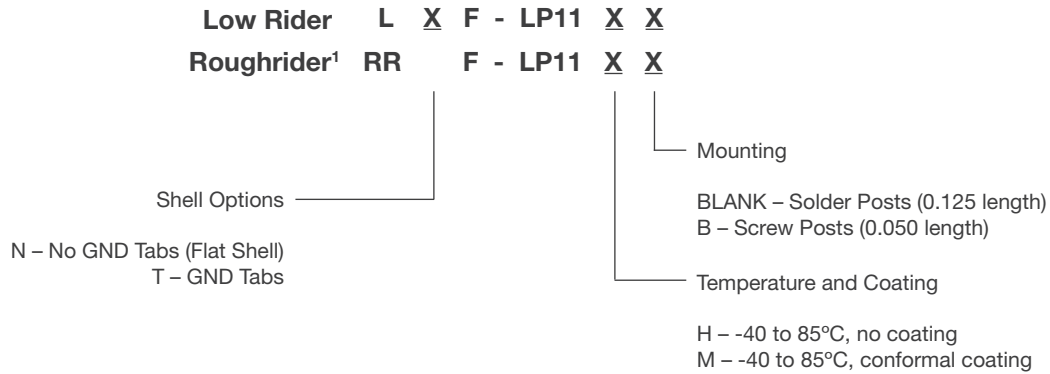
These transceivers are fully compliant with the IEEE 802.3u Fast Ethernet standard but can be used for any other data communications purpose within their operating parameters.



Features

- Low Profile Design - 0.386 inches max. height
- Surface mount I/O pins for high speed signal integrity
- All metal body, solder or screw mount options
- Industrial Temp Range, Vibration tolerant design
- RX data squelch on Signal Detect deassert
- Individual (separate) +3.3 V power supply per port
- Industry standard duplex multimode LC receptacle
- Full compliance to IEEE 802.3u Fast Ethernet
- EN-60825/ IEC-825 / CDRH Class 1 Compliant
- Optional Parylene C Conformal Coating
- Optional addition of fiber pigtail

Ordering Information



Transmitters: VCCTX = 3.15V to 3.45V, T_A = Operating Temperature Range

| Parameter | Symbol | MIN | Typical | MAX | Unit |
|-----------------------------------|----------------|-------|---------|-------|------|
| Optical Output Power ¹ | P _O | -19.0 | | -14.0 | dBm |
| Extinction Ratio | ER | 13 | | | dB |

Receivers: VCCRX = 3.15V to 3.45V, T_A = Operating Temperature Range

| Parameter | Symbol | MIN | Typical | MAX | Unit |
|---------------------|----------------|-------|---------|------|------|
| Optical Sensitivity | P _I | -32.0 | | -8.0 | dBm |

1. BER-10⁻¹⁰ @ 125Mbps, PRBS 2⁷-1, NRZ, Compliant with FDDI PMD ISO / IEC 9314-3 and IEEE-802.3u testing with 62.5 MM Fiber.

Link Distances

| Application | Fiber Specification | Distance |
|-----------------------------|----------------------|----------|
| Fast Ethernet – IEEE 802.3u | 62.5/125 – 500MHz*Km | 2.0Km |
| FDDI PMD ISO / IEC 9314-2 | 50/125 – 500MHz*Km | 2.0Km |

For more information on this product consult the LxF-LP11xx product data sheet.

Mouser Electronics

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