

155 Mbps SFP Transceiver

L4 Optics | Single Mode | 1310 nm | 40 km

Optics

760-050S1-40

760-050S1-45

Features

- Transceiver unit with independent:
 - FP Laser Diode transmitter
 - InGaAs PIN Photodiode receiver
- Digital diagnostic monitoring (DDM)
- Meets SFP MSA and SFF-8472 with duplex LC receptacle
- Qualified for Bellcore reliability practices
- Compliant with IEEE 802.3Z
- Compliant RoHS and lead free
- Compliant with UL standard
- Hardened temperature version (optional)



Specifications

General

| Parameter | Value |
|-----------------------|--|
| Mode | Single Mode |
| Wavelength | 1310 nm |
| Operating Data Rate | 155 Mbps |
| Connector | LC |
| Transmitter Type | FP Laser Diode |
| Receiver Type | PIN Photodiode |
| Storage Temperature | -40 ~ 85 °C |
| Operating Temperature | 760-050S1-40: -20 ~ 70 °C 760-050S1-45: -40 ~ 85 °C |
| Voltage | 3.3 V |

Transmitter Characteristics

| Parameter | Minimum | Maximum |
|----------------------------------|----------|---------|
| Wavelength (λ_p) | 1260 nm | 1360 nm |
| Launch or Output Power (P_0) | -5.0 dBm | 0.0 dBm |

Receiver Characteristics

| Parameter | Minimum | Maximum |
|----------------------------------|----------|-----------|
| Wavelength | 1260 nm | 1580 nm |
| Sensitivity (P_r) | | -34.0 dBm |
| Saturation or Overload (P_s) | -3.0 dBm | |