

# 1.25 Gbps SFP Transceiver

L4 Optics | Single Mode | 1550 nm | 160 km

Optics

760-071S1-D0

760-071S1-D5

## Features

- Transceiver unit with independent:
  - DFB Laser Diode transmitter
  - InGaAs APD high sensitivity 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	1550 nm
Operating Data Rate	1.25 Gbps
Connector	LC
Transmitter Type	DFB Laser Diode
Receiver Type	Avalanche Photodetector
Storage Temperature	-40 ~ 85 °C
Operating Temperature	760-071S1-D0: -20 ~ 70 °C 760-071S1-D5: -40 ~ 85 °C
Voltage	3.3 V

### Transmitter Characteristics

Parameter	Minimum	Maximum
Wavelength ( $\lambda_p$ )	1520 nm	1580 nm
Launch or Output Power ( $P_0$ )	1.0 dBm	5.0 dBm

### Receiver Characteristics

Parameter	Minimum	Maximum
Wavelength	1100 nm	1600 nm
Sensitivity ( $P_r$ )		-36.0 dBm
Saturation or Overload ( $P_s$ )	-10.0 dBm	

