

# 1.25 Gbps SFP Transceiver

L4 Optics | Single Mode | Bi-Directional 1310/1550 nm | 40 km

Optics

760-G57S1-40

760-G57S1-45

## Features

- Transceiver unit with independent:
  - DFB Laser Diode transmitter
  - InGaAs PIN Photodiode receiver
- Digital diagnostic monitoring (DDM)
- Meets SFP MSA and SFF-8472 with simplex 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	Transmit: 1310 nm Receive: 1550 nm
Operating Data Rate	1.25 Gbps
Connector	LC
Transmitter Type	DFB Laser Diode
Receiver Type	PIN Photodiode
Storage Temperature	-40 ~ 85 °C
Operating Temperature	760-G57S1-40: -20 ~ 70 °C 760-G57S1-45: -40 ~ 85 °C
Voltage	3.3 V

### Transmitter Characteristics

Parameter	Minimum	Maximum
Wavelength ( $\lambda_p$ )	1290 nm	1330 nm
Launch or Output Power ( $P_0$ )	-5.0 dBm	2.0 dBm

### Receiver Characteristics

Parameter	Minimum	Maximum
Wavelength	1480 nm	1580 nm
Sensitivity ( $P_r$ )		-23.0 dBm
Saturation or Overload ( $P_s$ )	-3.0 dBm	

