Q-GLC-LX-SMD

1.25G SFP SINGLE-MODE OPTICAL TRANSCEIVER, LC, UP TO 20 KM

Form Factor	Fiber Type	Connector	Max Reach
SFP+	Single-mode (SMF)	Duplex LC	20 km

OVERVIEW

The Quant Q-GLC-LX-SMD is a hot-pluggable SFP optical transceiver designed for Gigabit Ethernet and fiber channel applications over single-mode fiber. It operates at 1310 nm wavelength and supports transmission distances up to 20 km using a duplex LC optical interface. The module complies with the SFP Multi-Source Agreement (MSA) and SFF-8472 standards and supports Digital Diagnostic Monitoring (DDM) for real-time monitoring of transceiver parameters.

Key Features

- Hot-pluggable SFP form factor
- Supports up to 1.25 Gb/s data rate
- 1310 nm FP laser transmitter
- Duplex LC optical interface
- Transmission distance up to 20 km over SMF
- Low power consumption (<0.8 W)
- Single 3.3 V power supply
- Digital Diagnostic Monitoring (DDM) support
- Compliant with SFP MSA and SFF-8472

Typical Applications

- Gigabit Ethernet Fiber Links
- Fiber Channel links
- Switch-to-switch interconnects
- Router / server interfaces
- Optical transmission systems

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TECHNICAL SPECIFICATIONS

Parameter	Specification
Part Number	Q-GLC-LX-SMD
Description	1.25G SFP LX single-mode optical transceiver with DDM
Form Factor	SFP, hot-pluggable
Data Rate	1.0625 - 1.25 Gb/s
Fiber Type	Single-mode fiber (SMF)
Connector	Duplex LC
Maximum Reach	20 km
Wavelength	1310 nm
Transmitter Type	FP laser
Receiver Type	PIN photodiode
Supply Voltage	Single +3.3 V
Power Consumption	<0.8 W
Operating Temperature	0°C to +70°C
Diagnostics	Temperature, supply voltage, TX/RX optical power monitoring
Warranty	2 years
Origin of Country	Vietnam

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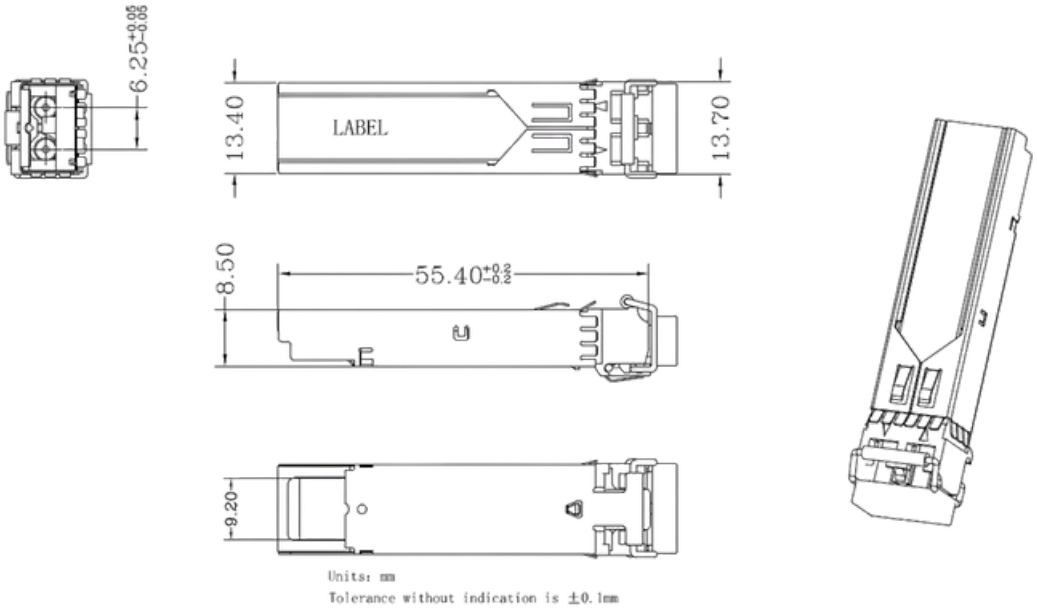
2 YEARS WARRANTY

PRODUCT DIMENSION



ORDERING INFORMATION

Q-GLC-LX-SMD	1.25G SFP LX optical transceiver, 1310 nm, duplex LC connector, 20 km over single-mode fiber, with Digital Diagnostic Monitoring.

www.quant-intl.com