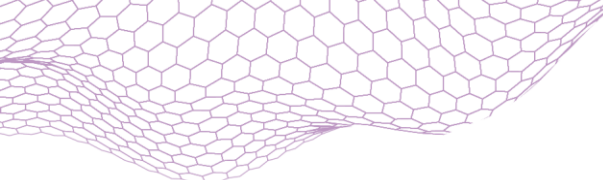




GIGABIT MULTIMODE FIBER SMALL FORM FACTOR PLUGGABLE (SFP) TRANSCEIVERS

SFPG SERIES





SYNOPSIS

- Up to 1.25Gb/s
- Duplex LC connector
- Hot-pluggable SFP footprint
- 1310nm / 1550nm FP laser transmitter
- RoHS compliant and Lead Free
- Up to 120km on 9/125um SMF
- Metal enclosure for lower EMI
- Single +3.3V power supply
- Low power dissipation <800mW
- Commercial and industrial operating temperature optional
- SFP MSA SFF-8074i Compliant with Duplex LC receptacle
- Digital Diagnostic Monitoring: Internal Calibration or External Calibration

GENERAL

- Small Form Factor Pluggable (SFP) transceivers are compatible with the Small Form Factor Pluggable Multi-Sourcing Agreement (MSA).
- The SFP transceivers are high-performance cost-effective modules supporting dual data-rate of 1.25Gbps and 550m with MMF
- They are RoHS compliant and lead-free

OPTICAL CHARACTERISITICS

Tx Power	-9 to -3 dBm
Rx Sensitivity	-23dBm
Wavelength	830-850-860nm
Optical Extinction Ratio	9dB
Receiver overload	-3dBm

REGULATORY COMPLIANCE

- ESD to the Electrical PINs: compatible with MIL-STD-883 Method 3015
- ESD to the Duplex LC Receptacle: compatible with IEC 61000-4-2
- Immunity compatible with IEC 61000-4-3
- EMI compatible with FCC Part 15 Class B EN55022 Class B (CISPR 22B) VCCI Class B
- Laser Eye Safety compatible with FDA 21CFR 1040.10 and 1040.11 EN60950,
- EN (IEC) 60825-1,2
- RoHS compliant with 2002/95/EC 4.1& 4.2 2005/747/EC
- SFP MSA SFF-8074i Compliant

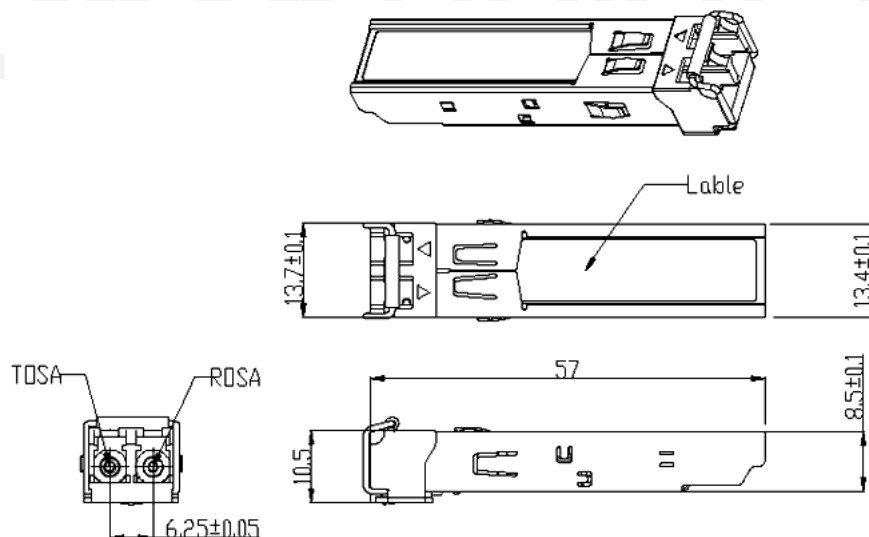
TEMPERATURE

Casing Operating Temperature	0 to 70 deg C
Extended Operating	-40 to 85 deg C
Casing Storage Temp	-40 to 85 deg C
Operating Humidity	5 to 95% rH Non-Condensing

NOTES

- Class 1 Laser Safety.
- Unfiltered, 20-80%. Complies with GE and 1x FC eye masks when filtered.
- Our Small Form Factor Pluggable (SFP) transceivers are compatible with the dimensions defined by the SFP Multi-Sourcing Agreement (MSA).

DIMENSIONS



DIGITAL DIAGNOSTIC MONITORING INTERFACE

Parameters to be Monitored	Range	Accuracy
Temperature	0 to 70°C	+/- 3°C
	-40 to 85°C	
Voltage	3 to 3.6	+/- 3%
Bias Current	0 to 100mA	+/- 10%
Tx Power	-9 to -3dBm	+/- 3dB
Rx Power	-23 to -2dBm	+/- 3dB

ORDERING CODE

SFPG M 550 850 E D A

SFPG	Base model for Giga SFP 1.25G
M	Multimode
550	550 meters
850	Wavelength 850 nm
E	Extended temperature of -40 to 85°C
D	DDMI feature
A	Fixed