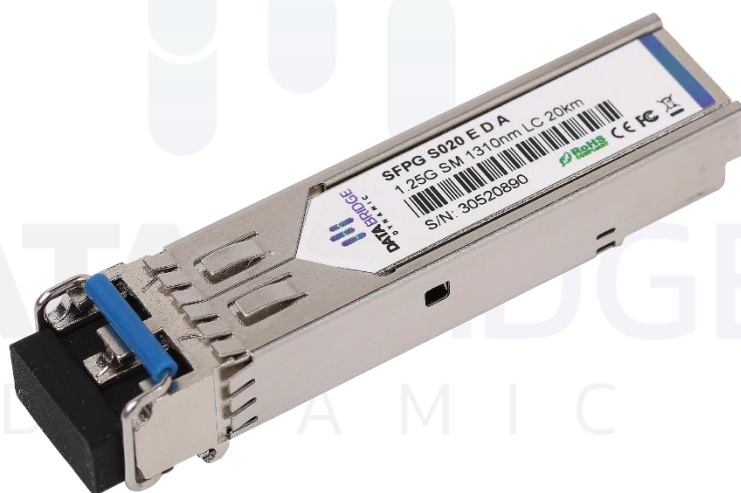
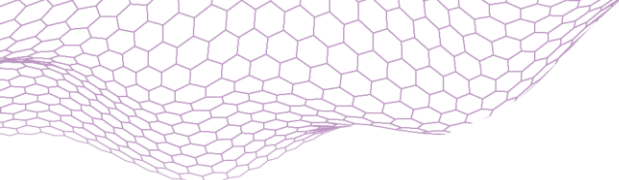




GIGABIT FIBER SMALL FORM FACTOR PLUGGABLE (SFP) TRANSCEIVERS

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

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/1.063Gbps and 20km and higher transmission distance with SMF.
- They are RoHS compliant and lead-free

OPTICAL CHARACTERISITICS

Tx Power	-9 to -3 dBm
Rx Sensitivity	-25dBm
Wavelength	1275-1310-1350nm
Optical Extinction Ratio	9dB
Receiver overload	-2dBm

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

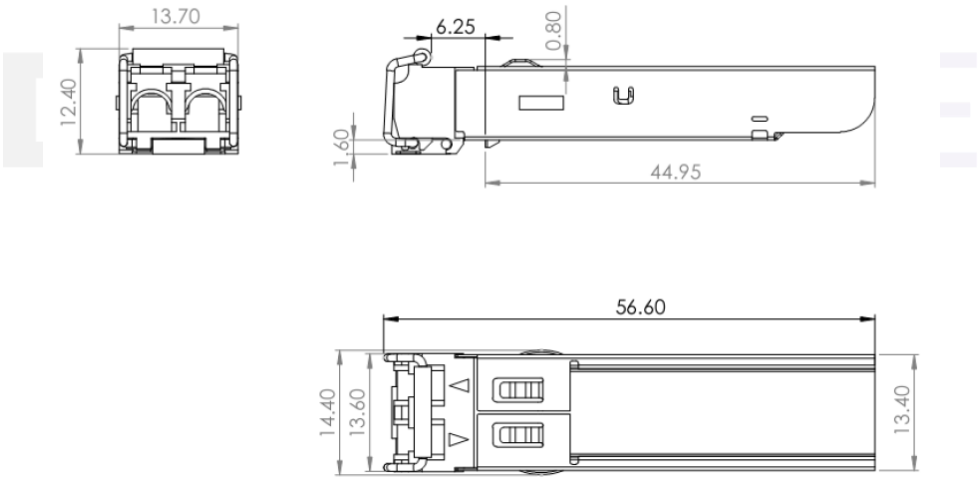
TEMPERATURE

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 -40 to 85°C	+/- 3°C
Voltage	2.97 to 3.63	+/- 3%
Bias Current	0 to 100mA	+/- 10%
Tx Power	-9 to -3dBm	+/- 3dB
Rx Power	-25 to -2dBm	+/- 3dB

ORDERING CODE

SFPG XXXX E D A

SFPG	Base model for Giga SFP
XXXX	S020: 20Km Single Mode, Wavelength: 1310nm S040: 40Km Single Mode, Wavelength: 1310nm S080: 80Km Single Mode, Wavelength: 1550nm S100: 100Km Single Mode Wavelength: 1550nm
E	Extended Temperature -40 to 85 Deg C
D	DDMI Feature
A	Fixed