



Features

Compliant with IEEE802.3z Gigabit Ethernet standard

Optical interface compliant to IEEE 802.3ae 10GBASE-LR

1310nm DFB transmitter, PIN photodetector

SMF links up to 10km

2-wire interface for management compliant with SFF 8472 digital diagnostic monitoring

Power consumption<1.5W

RoHS compliant, lead free

Operating case temperature: 0 to 70 °C

Class 1 laser product complies with EN 60825-1

Absolute Maximum Ratings

PARAMETER	MIN	MAX	UNITS
Storage Temperature	-40	85	°C
Case Operating Temperature	0	70	°C
Relative Humidity	5	85	%

Transmitter optical parameters

PARAMETER	MIN	TYP	MAX	UNITS
Center Wavelength	1260	1310	1355	nm
RMS spectral width			1	nm
Average Optical Power	-8.2		0.5	dBm
Extinction Ratio	3.5			dB

Receiver optical parameters

PARAMETER	MIN	TYP	MAX	UNITS
Center Wavelength	1260		1355	dBm
Receiver Sensitivity			-12.6	dBm
Overload	0.5			dBm

Regulatory Compliance

Electrostatic Discharge (ESD) to the Electrical Pins	MIL-STD-883E Method 3015.7	Class 1(>1000 V)
Electrostatic Discharge (ESD) to the Duplex LC Receptacle	IEC 61000-4-2 GR-1089-CORE	Compatible with standards
Electromagnetic Interference (EMI)	FCC Part 15 Class B EN55022 Class B (CISPR 22B) VCCI Class B	Compatible with standards
Laser Eye Safety	FDA 21CFR 1040.10 and 1040.11 EN60950, EN (IEC) 60825-1,2	Compatible with Class 1 laser product

Eye Safety

This optical transceiver is a class 1 laser product. It complies with EN 60825-1 and FDA 21 CFR 1040.10 and 1040.11. In order to meet laser safety requirements the transceiver shall be operated within the Absolute Maximum Ratings.