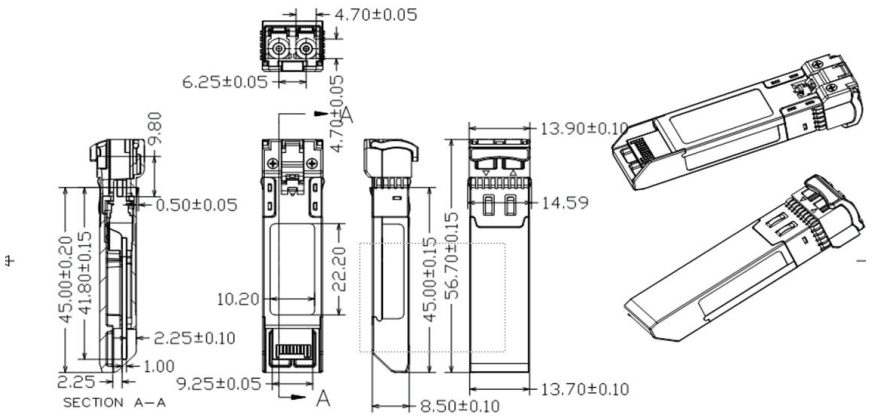
CYCLONE

CYG-SFP10G-LRi
Datasheet

10G LR SFP+ Transceiver

Product Diagram



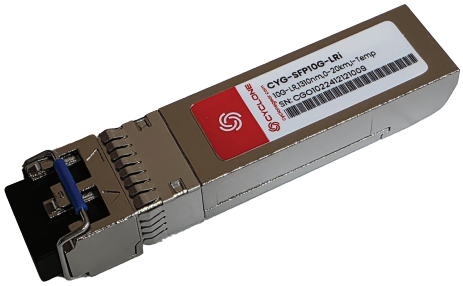
Technical Parameters

Data Rate	9.95 – 10.5 Gb/s
Wavelength	1310nm
Connector	LC Duplex
Multimode Fiber	Singlemode (G.652, 9/125µm)
Distance	Up to 10 km
Power Budget	8.4 dB
Laser Type	DFB
Receiver Type	PIN
Power Consumption	<1.2W
Voltage Supply	3.3V
Operating Temperature	Commercial: 0°C to +70°C Industrial: -40°C to +85°C

Digital Diagnostics (DDM)

Temperature	±3°C (Commercial: -5 to +85°C Industrial: -40 to +95°C)
Voltage	±3% (2.97 to 3.63V)
TX Power	-6 to +0.5 dBm (±2 dB)
RX Power	-14.4 to +0.5 dBm (±2 dB)
Bias Current	0 to 100 mA (±10%)

Product Image



Performance

TX Power	-6 to +1 dBm
RX Sensitivity	≤ -14.4 dBm
Extinction Ratio	+0.5 dBm
Receiver Overload	≥ 3.5 dB

Compliance

MSA SFF-8431 & SFF-8472 Rev12
GR-253-CORE Compliant
Class 1 Laser (IEC 60825 / FDA)
FCC Part 15 Class B, EN 55022
ESD: IEC 61000-4-2
RoHS Compliant