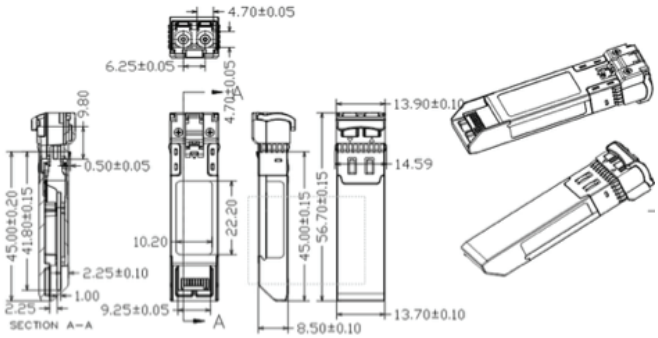
CYCLONE

CYG-SFP-10G-SRc
Datasheet

10G SR SFP+ Transceiver

Product Image

Product Diagram



Technical Parameters	
Data Rate	1.0 – 10.5 Gb/s
Wavelength	850nm
Connector	LC Duplex
Fiber Type	Multimode (50/125µm OM3)
Distance	Up to 300m
Power Budget	-
Laser Type	VCSEL
Receiver Type	GaAs IDP
Power Consumption	<800 mW
Voltage Supply	3.3V
Operating Temperature	Commercial: -5°C to +70°C Industrial: -45°C to +85°C

Performance	
TX Power	-7.3 to -1 dBm
RX Sensitivity	-9.9 dBm
Extinction Ratio	≥ 3 dB
Receiver Overload	-1 dBm
OMA Sensitivity	≤ -11.1 dBm
Wavelength Range	840–860nm
LOS Assert / Deassert	-30 dBm / -13 dBm

Digital Diagnostics (DDM)	
Temperature	±3°C (-5 to +85°C)
Voltage	±3% (2.97 to 3.63V)
TX Power	-7.3 to -1 dBm (±2 dB)
RX Power	-12 to -1 dBm (±2 dB)
Bias Current	0 to 100 mA (±10%)

Compliance
MSA SFF-8431 & SFF-8472 Rev12
Class 1 Laser (IEC 60825 / FDA)
FCC Part 15 Class B, EN 55022
ESD: MIL-STD-883E, IEC 61000-4-2
RoHS Compliant