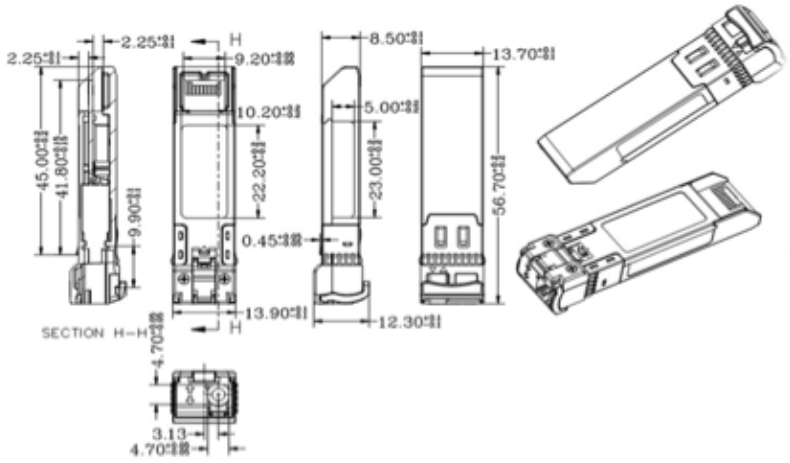
CYCLONE

CYG-SFP-BiDi-10Gi-KIT
Datasheet

10G BiDi SFP+ Kit

Product Diagram



Technical Parameters

Data Rate	Up to 10.3 Gb/s
Wavelength	1270nm TX / 1330nm RX (BXU) 1330nm TX / 1270nm RX (BXD)
Connector	LC Duplex (Single Fiber Bi-Directional)
Multimode Fiber	50/125µm up to 550m 62.5/125µm up to 300m
Distance	Up to 10 km
Laser Type	DFB
Receiver Type	APD
Power Consumption	<1.5W
Voltage Supply	3.3V
Operating Temperature	Standard: 0°C to +70°C

Product Image

Performance

TX Power	-7 to +0.5 dBm
RX Sensitivity	-14.4 dBm
Extinction Ratio	≥ 3.5 dB
Receiver Overload	+0.5 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-8472 Rev12
Class 1 Laser (IEC 60825 / FDA)
FCC Part 15 Class B / EN 55022
ESD: IEC 61000-4-2
RoHS Compliant