

GL-OT-ST08LC2-1310-1310

10Gbps 1310nm 10KM SFP+ Optical Transceiver



This 1310nm DFB 10Gbps SFP+ transceiver is designed to transmit and receive optical data over single mode optical fiber for link length 10km.

The SFP+ 10km module electrical interface is compliant to SFI electrical specifications. The transmitter input and receiver output impedance is 100 Ohms differential. Data lines are internally AC coupled. The module provides differential termination and reduce differential to common mode conversion for quality signal termination and low EMI. SFI typically operates over 200 mm of improved FR4 material or up to about 150mm of standard FR4 with one connector.



GL-OT-ST08LC2-1310-1310

10Gbps 1310nm 10KM SFP+ Optical Transceiver

Detailed characteristics

DDM function Yes Temperature, °C Operation from 0 to +85 Humidity, % 8 - 80 (no condensation) Product dimensions (WxDxH), mm 19,46x42x90,7 Warranty 3 years Form factor SFP+ Connector type 2*LC Emitter type DFB Number of fibers used 2 Fiber type SM (9/125 µm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB S - 80 (no condensation) 19,46x42x90,7 29,47 20,47 2	Characteristic	Value
Temperature, °C Humidity, % 8 - 80 (no condensation) Product dimensions (WxDxH), mm 19,46x42x90,7 Warranty 3 years Form factor SFP+ Connector type 2*LC Emitter type DFB Number of fibers used 2 Fiber type SM (9/125 µm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB S - 80 (no condensation) 8 - 80 (no condensation) 8 - 80 (no condensation) 19,46x42x90,7 3 years SFP+ Connector type 2*LC Emitter type DFB Number of fibers used 2 Tx:1310/Rx:1310	Power, V	3.3
Humidity, % 8 - 80 (no condensation) Product dimensions (WxDxH), mm 19,46x42x90,7 Warranty 3 years Form factor SFP+ Connector type 2*LC Emitter type DFB Number of fibers used 2 Fiber type SM (9/125 µm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	DDM function	Yes
Product dimensions (WxDxH), mm 19,46x42x90,7 Warranty 3 years Form factor SFP+ Connector type 2*LC Emitter type DFB Number of fibers used 2 Fiber type SM (9/125 μm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	Temperature, °C	Operation from 0 to +85
Warranty 3 years Form factor SFP+ Connector type 2*LC Emitter type DFB Number of fibers used 2 Fiber type SM (9/125 μm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	Humidity, %	8 - 80 (no condensation)
Form factor SFP+ Connector type 2*LC Emitter type DFB Number of fibers used 2 Fiber type SM (9/125 µm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	Product dimensions (WxDxH), mm	19,46x42x90,7
Connector type 2*LC Emitter type DFB Number of fibers used 2 Fiber type SM (9/125 μm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	Warranty	3 years
Emitter type DFB Number of fibers used 2 Fiber type SM (9/125 µm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	Form factor	SFP+
Number of fibers used 2 Fiber type SM (9/125 µm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	Connector type	2*LC
Fiber type SM (9/125 μm) Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	Emitter type	DFB
Operating wavelength, nm Tx:1310/Rx:1310 Optical budget, dB 8	Number of fibers used	2
Optical budget, dB 8	Fiber type	SM (9/125 μm)
	Operating wavelength, nm	Tx:1310/Rx:1310
	Optical budget, dB	8
Data transmission distance, km 10	Data transmission distance, km	10
Data transfer rate, Gbit/s 10	Data transfer rate, Gbit/s	10