

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.



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| Characteristic | Value |
|--------------------------------|--------------------------|
| Power, V | 3.3 |
| 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 | 8 |
| Data transmission distance, km | 10 |
| Data transfer rate, Gbit/s | 10 |