Optical SFP 850nm 6G 300m MM

Application.and Properties:

Optical SFP is a high performance, cost effective modules, which is supporting up to 6.125Gbps, and transmission distance up to 300m on MM fiber. The transceiver consists of two sections: The transmitter section incorporates a laser driver and an 850nm VCSEL laser. The receiver section consists of a PIN photodiode integrated with a transimpedance preamplifier (TIA) and a Limiting Amplifier. The module is hot pluggable into the 20-pin connector. The high-speed electrical interface is based on low voltage logic, with nominal 100-Ohm differential impedance and AC coupled in the module.

- Other Details

- **Up to 300m transmission on MMF**
- **Up to 6.125Gbps 850nm VCSEL laser and PIN receiver**
- **SFI electrical interface**
- **2-wire interface for integrated Digital Diagnostic monitoring**
- **SFP+ MSA package with duplex LC connector**
- **Very low EMI and excellent ESD protection**
- **+3.3V power supply**
- **Power consumption less than 1.0W**
- **Operating case temperature: 0~+70°C**
- **High-speed storage area networks**
- **Computer cluster cross-connect**
- **Custom high-speed data pipes**
- **Compliant with IEEE 802.3ae-2002**

- Technical Specification

Specification	Value
Transceiver form factor	**SFP**
Operating Data Rate (Gbps)	**6.125**
Storage Temperature (℃)	**-40 to +85**
Supply Voltage (V)	**0-3.6**
Relative Humidity (%)	**5-85**
Max. Receiver Reflectance (dB)	**-12**
Center Wavelength (nm)	**800-900**
Maximum receiver sensitivity (dBm)	**-13**
Overload power (dBm)	**Max. -1**
Extinction ratio (dB)	**3.5**
Transmitter Dispersion Penalty (dB)	**Max. 3.2**
Distance (m)	**300**
Rx Input Average Power (dBm)	**Max. +1.5**
Max. Optical Return Loss Tolerance (dB)	**12**