



1.25G Dual Fiber 20km SFP Module FM-SFP-20KM-DP

Feature

- Use SFP packaging form, LC connector, support SFF8472 standard;
- Support hot plug ;
- Use 1310 FP laser and PIN-TIA ;
- The data transmission distance of single mode optical fiber can up to 20km;
- Data input and output ports comply with the low voltage emitter coupled logic (LVPECL) standard;
- Low electromagnetic interference to the environment, strong ESD protection;
- Meet IEC-60825 laser safety standard;
- Meet RoHS standard.

Specification

| Item | Description | |
|-----------------------|-----------------------------|---|
| Power | Model | FM-SFP-20KM-DP |
| | Power Supply | power supply for host device |
| | Voltage Range | DC 3.15V ~ 3.45V |
| | Consumption | 1W |
| Optical Property | Optical Wave Length | 1310nm |
| | Light Power | -8dBm ~ -3dBm |
| | Receiver Sensitivity | -24 dBm |
| Transmission Property | Fiber Type | single mode:9/125um, multi-mode :50/125um |
| | Connector | LC |
| | Transmission Distance | single mode 20km multi-mode 300m |
| Protection | ESD | Level 3, 1a contact discharge Level 3, 1b air discharge Per: IEC61000-4-2 |
| Operation Environment | Operating Temperature | 0°C~70°C |
| | Storage Temperature | -40°C~70°C |
| | Humidity (non-condensing) | 0~95% |
| Mechanical | Dimension (L x W x H) | 55.4mm x 13.7mm x 6.25mm |
| | Material | stainless steel |
| | Color | Silver |
| Stability | Weight | 17g |
| | MTBF | >30000h |

This is a standard SFP optical module. It uses two single mode optical fibers and the speed rate can up to 1.2Gbps, transmission distance up to 20km. This product needs to be used in pair and match up with video to fiber converter and optical Ethernet switch with SFP port, it can be used in Ethernet, telecom and optical fiber communication and other industries.

Board Diagram

