

Mellanox MFM1T02A-SR-I Datasheet



Mellanox MFM1T02A-SR-I 10GBASE-SR SFP+ 850nm 300m Industrial DOM Duplex LC MMF Optical Transceiver Module

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This Mellanox MFM1T02A-SR-I SFP+ transceiver supports up to 400m link lengths over OM4 MMF (300m over OM3 MMF) via an LC duplex connector. This transceiver is compliant with SFF-8431, SFF-8432 and IEEE 802.3ae standards. Digital diagnostics monitoring is available via a 2-wire serial interface, as specified in SFF-8472. Featuring an operating temperature range of -40°C to 85°C, this industrial fiber optic transceiver can work in harsh industrial environments, such as telecommunication, data processing & management, the application of industrial and factory automation, outdoor applications, rail and intelligent transportation systems (ITSs), marine, oil and gas, mining etc.

Specifications

- Brand: Mellanox
- Part Number: MFM1T02A-SR-I
- Form Factor: SFP+
- Max Data Rate: 10.3125Gbps
- Wavelength: 850nm
- Max Cable Distance : 300m
- Connector: Duplex LC
- Media: MMF
- Transmitter Type: VCSEL
- Receiver Type: PIN
- TX Power: -8~1dBm

- Receiver Sensitivity: < -11.1dBm
- Powerbudget: 3.1dB
- Receiver Overload: 0.5dBm
- Typical Power Consumption: $\leq 0.5W$
- Extinction Ratio: 3dB
- DDM/DOM: Supported
- Operating Temperature: Industrial Temperature Range - -40 to 85°C (-40 to 185°F)
- Protocols: IEEE 802.3ae, SFF-8472, SFF-8431, SFF-8432, SFP+ MSA , FC-PI-4, 10G FC, CPRI, OBSAI

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