

## MSA Compliant 10GBase SFP+ Modules

10GBase-X, SFP+ With DMI (LC)



TN-10GSFP-LR1

### Features

- SFP+ Optical Transceiver
- 10G Small Form-Factor Pluggable (SFP+) MSA Compliant
- SFF-8472 Digital Diagnostic Function (DDF)
- Single +3.3 V Power Supply
- Up to 10.5 Gbps bidirectional data links
- RoHS Compliant
- Compliant with 10GBase-SR/SW (TN-10GSFP-SRx Modules Only)
- Compliant with 10GBase-LR/LW (TN-10GSFP-LR1x Modules Only)
- Maximum Link Length of 70KM

### Specifications

Standards	IEEE 802.3ae
Data Rates	10.3 Gbps
Dimensions	Width: 0.52" [13 mm] Depth: 2.2" [56 mm] Height: 0.33" [8 mm]
Power Supply	+3.3V
Environment	Operating: 0°C to 70°C Operating: -40°C to +85°C (TN-10GSFP-xxT) Storage: -40°C to 85°C
Certifications	IEC-60825, FAD 21, CFR 1040.10 and 1040.11
Warranty	Lifetime

### Ordering Information

Duplex

#### \*TN-10GSFP-SR

10GBase-SR/SW, SFP+ with DMI 850nm multimode (LC) [300/82/33 m; 985/269/108 ft.] Link Budget: 2.6 dB

#### TN-10GSFP-LR1

10GBase-LR/LW, SFP+ with DMI 1310nm single mode (LC) [10 km/6.2 mi.] Link Budget: 6.4 dB

#### Extended Operating Temperature

-40°C to +85°C

#### \*TN-10GSFP-SRT

10GBase-SR/SW, SFP+ with DMI 850nm multimode (LC) [300/82/33 m; 985/269/108 ft.] Link Budget: 2.6 dB

#### TN-10GSFP-LR1T

10GBase-LR/LW, SFP+ with DMI 1310nm single mode (LC) [10 km/6.2 mi.] Link Budget: 9.0 dB

\*Distance up to 300m on 50/125 OM3 multimode fiber, up to 82 m for 50/125 um multimode fiber with model.

Bandwidth 500 MHz-km at 850nm, and up to 33m for 62.5/125 um multimode fiber with model bandwidth 200 MHzkm at 850nm.