

T2F-DTL002-24V Media Converter

For use with TFOCA-II® Connector, Dual Channel Fast Ethernet (100Mbps), Miniature Circular Electrical Connector, 9 to 32V Input Power, 1310nm Multimode, 62.5 um Fiber, Up to 2Km Link Distance

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Applications

The T2F-DTL002-24V multimode optical media converters provide ruggedized stand alone conversion solutions for Fast Ethernet multimode links. The device accepts IEEE 802.3u electrical 100BT signals using a miniature circular electrical connector, and converts to 100BFX optical signals. The optical interface allows direct connection to any TFOCA-II® fiber cable.

Features

- Fast Ethernet Converter for Tactical Environments
- Compatible to TFOCA-II® Optical Connector Interface
- Miniature Circular Electrical Connector (100BT)
- Widemouth Input Power 9 to 32V Range, 5W Max
- Industrial Temp Range, Vibration Tolerant Design
- Compliant with IEEE 802.3 100BT and 100BFX
- EN-60825 / IEC-825 / CDRH Class 1 Compliant
- Optional Conformal Coating

Ordering Information

Part Number	Description
T2F-DTL002-24VH	Normal TX Optical Power
T2F-DTL002-24VM	Normal TX Optical Power, Conformal Coated
T2F-DTL002-24VH-LP	Reduced TX Optical Power
T2F-DTL002-24VM-LP	Reduced TX Optical Power Conformal Coated

Optical Performance: Fiber Type = 62.5/125 μ m, T_c = Operating Temperature Range

Parameter	Symbol	MIN	Typical	MAX	Unit
Output Power ¹	P _O				dBm
T2F-DTL002-24VH/M-LP		-18		-13	
T2F-DTL002-24VH/M		-12		-3	
Transmit Extinction Ratio	ER		9		dB
Receive Sensitivity ²	P _I	-32		-8	dBm

1. Output Power measured @ 125Mbps, PRBS 2⁷-1, NRZ

2. Receive Sensitivity at BER=10⁻¹⁰ @ 1.25Gbps, PRBS 2⁷-1, NRZ

3. Performance tested and verified for compatibility with IEEE 802.3u 100BT and 100BFX operation

For more information on this product consult the T2F-DTL002-24V product data sheet.