

## 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

® TFOCA-II is a registered trademark of Fiber Systems International



### 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 $\mu$ m, T<sub>c</sub> = Operating Temperature Range

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

1. Output Power measured @ 125Mbps, PRBS 2<sup>7</sup>-1, NRZ
2. Receive Sensitivity at BER=10<sup>-10</sup> @ 1.25Gbps, PRBS 2<sup>7</sup>-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.