

**ECT014 SINGLE CHANNEL TTL DATA OPTICAL LINK**



**FEATURES**

- ❑ High Speed Duplex Data Transmission, DC – 26 Mb/sec
- ❑ Multimode and Singlemode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators
- ❑ 12V AC/DC or 24VAC Power Supply

ECT014 system provides single channel duplex high performance link for transmitting TTL data signals over a fiber optic cable. The system features quality transmission of data signals with data rates DC – 26 Mb/sec. ECT014 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

<b>Operating Wavelength</b>	850 nm	1300 nm	1310/1550nm
<b>Optical Core Diameter</b>	<b>50µ/62.5µ</b>		<b>8/10µ</b>
<b>Optical Power Source</b>	VCSEL	LED	Laser
<b>Optical Power Output*</b>	-3 dBm	-14 dBm	-3 dBm
<b>Receiver Sensitivity</b>	-32 dBm	-35 dBm	-35 dBm
<b>Receiver Sensitivity**</b>	-30 dBm	-33 dBm	-33 dBm
<b>Optical Connectors</b>	ST, SC		FC, ST, SC

*\* with +/- 1 dBm variation; higher power laser sources are available per special request;*

*\*\* for one-fiber configuration with internal WDM.*

**ORDERING INFORMATION**

014E-DXN-XYZ

- E = M for multimode
- = S for single mode 1310nm
- = M(13) for multimode 1300nm
- = S(15) for single mode 1550nm
- N = 2 for 2 channel rack card
- X = M for standalone module
- = C for rack card\*
- Y = 1, 2 number of fibers for standalone module
- = 2, 4 number of fibers for rack card
- Z = FC, ST or SC for optical connectors

*\*compatible with USR type chassis*

<b>Channel Capacity</b>	1Ch. - for standalone module 2Ch. - for rack card
<b>Data Interface</b>	TTL, CMOS
<b>Data Rate</b>	DC – 26 Mb/sec
<b>Data Input Impedance</b>	10K unbalanced
<b>Power Requirements:</b>	
<b>Module</b>	11 - 14 VAC/VDC @ 200 mA 21 - 27 VAC @ 150 mA
<b>Card</b>	11 - 14 VDC @ 400 mA
<b>Operating Temperature</b>	-30°C to +70°C (-22°F to +158°F)
<b>Dimensions:</b>	
<b>Module</b>	6.86"(172mm) x 4.95"(126mm) x 1.4"(36mm)
<b>Card (w/o connectors)</b>	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
<b>Card (with connectors)</b>	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)

