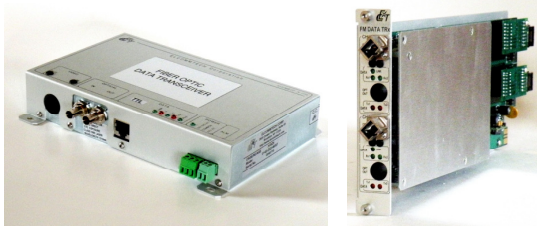


# ECT100 SERIES

## ECT014(2) TWO / FOUR CHANNEL TTL/CMOS DATA OPTICAL LINK



### FEATURES

- ❑ High Speed Duplex Data Transmission, DC – 5 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(2) system provides two or four channel duplex high performance link for bi-directional transmitting TTL data signals over a fiber optic cable. The system features quality transmission of data signals with data rates DC – 5 Mb/sec. ECT014(2) utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

Operating Wavelength	850 nm	1300 nm	1310/1550nm
Optical Core Diameter	50μ/62.5μ		8/10μ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-3 dBm	-14 dBm	-3 dBm
Receiver Sensitivity	-33 dBm	-36 dBm	-36 dBm
Receiver Sensitivity**	-31 dBm	-34 dBm	-34 dBm
Optical Connectors	ST, SC		ST, SC, FC

\* 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  
 = **M(13)** for multimode 1300nm  
 = **S** for single mode receiver or 1310nm transmitter  
 = **SP** for high power (0 dBm) 1310nm transmitter option  
 = **S(15)** for single mode 1550nm transmitter  
 = **S(15)P** for high power (0 dBm) 1550nm transmitter option  
 = **SD, SPD, S(15)D, S(15)PD** for DFB lasers option
- N** = **2** for 2 ch. module  
 = **4** for 4 ch. card-module or 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** = **ST, SC, FC** for optical connectors

<b>Channel Capacity</b>	2Ch. - for standalone module 4Ch. - for rack card or standalone card-module
<b>Data Rate</b>	DC – 5 Mb/sec
<b>Data Input Impedance</b>	10K unbalanced
<b>Power Requirements:</b>	
<b>2Ch. Module</b>	11 - 14 VAC/VDC @ 200 mA 21 - 27 VAC @ 150 mA
<b>4Ch. Card / Module</b>	11 - 14 VDC @ 400 mA
<b>Operating Temperature</b>	-30°C to +70°C (-22°F to +158°F)
<b>Dimensions:</b>	
<b>2Ch. Module</b>	6.86"(172mm) x 4.95"(126mm) x 1.4"(36mm)
<b>4Ch. Card / Module (w/o connectors)</b>	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
<b>4Ch. Card / Module (with connectors)</b>	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)

\*compatible with USR type chassis



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