

ECT014 ONE / TWO CHANNEL TTL/CMOS 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 one or two 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 – 26 Mb/sec. ECT014 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. 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

*compatible with USR type chassis

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



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