

## ECT088 T1/E1 DATA OPTICAL LINK



ECT088 system provides high performance link for transmitting T1 or E1 data signal over a fiber optic cable.

The system features quality transmission of data signals with data rates 1.544 Mb/sec (T1) and 2.048 Mb/sec (E1).

ECT088 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

### FEATURES

- ❑ High Speed Duplex T1 or E1 Data Transmission
- ❑ AMI, B8ZS and HDB3 Data Formats
- ❑ Multimode and Singlemode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators
- ❑ 12V AC/DC or 24VAC Power Supply

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	-6 dBm
Receiver Sensitivity	-32 dBm	-35 dBm	-35 dBm
Receiver Sensitivity**	-30 dBm	-33 dBm	-33 dBm
Optical Connectors	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

088E(F)-UN-XYZ

- E = M for multimode
- = S for singlemode 1310nm
- E(F) = M(13) for multimode 1300nm
- = S(15) for singlemode 1550nm
- U = DT for transmitter
- = DR for receiver
- = DX for transceiver
- N = 2 for 2ch. rack card only
- X = M for standalone module
- = C for rack card
- Y = 1, 2 or 4(rack card only) for number of fibers
- Z = FC, ST or SC for optical connectors

Channel Capacity	1Ch. - for standalone module 2Ch. - for rack card
Data Interface	T1 or E1
Data Rate	1.544 or 2.048 Mb/sec
Data Input Impedance	120Ω balanced or 75 unbalanced
Power Requirements: Module	11 - 14 VAC/VDC @ 200 mA 21 - 27 VAC @ 150 mA
Card	11 - 14 VDC @ 400 mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions: Module	6.86"(172mm) x 4.95"(126mm) x 1.4"(36mm)
Card (w/o connectors)	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
Card (with connectors)	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)



Elcommtech Corp. 2620 Ocean Parkway, Suite 4H, Brooklyn, NY 11235  
 Tel (718) 743-2869 • Fax (718)648-3642 • E-mail contact@elcommtech.com  
<http://www.elcommtech.com>