

## ECT088

## T1/E1 DATA OPTICAL LINK



### 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

ECT088 system provides high performance duplex 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.

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	-30 dBm	-34 dBm	-36 dBm
Receiver Sensitivity**	-29 dBm	-33 dBm	-35 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

#### 088E-N/DX-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
- 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 = ST, SC, FC for optical connectors

\*compatible with USR type chassis

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)

**Note:** The specifications are subject to change without notice.



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