

## ECT044 SINGLE CHANNEL RS-422 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

ECT044 system provides single channel duplex high performance link for transmitting RS-422 data signals over a fiber optic cable. The system features quality transmission of data signals with data rates DC – 26 Mb/sec. ECT044 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	-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

044E-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

Channel Capacity	1Ch. - for standalone module 2Ch. - for rack card
Data Interface	RS-422
Data Rate	DC – 26 Mb/sec
Data Input Impedance	120 Ohm or 10K balanced
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)

