

## ECT055 RS-485 DATA OPTICAL LINK



### FEATURES

- ❑ High Speed Duplex Data Transmission, DC – 1 Mb/sec
- ❑ Speed – Independent Data Communication
- ❑ Multimode and Singlemode Versions
- ❑ Two or Four Wire Interfacing
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators
- ❑ 12V AC/DC or 24VAC Power Supply

ECT055 system provides high performance link for transmitting RS-485 data signals over a fiber optic cable.

The system supports 2 and 4 wire RS-485 interfacing and speed-independent RS-485 transmission.

The system features quality transmission of data signals with data rates DC – 1.6 Mb/sec. ECT055 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	-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

055E(F)-DXNW-XYZ

- E = M for multimode 850nm or 850/1300nm  
 = S for singlemode 1310nm or 1310/1550nm
- E(F) = M(13) for multimode 1300nm  
 = S(15) for singlemode 1550nm
- N = 2 for 2 channel (rack card only)
- W = 2, 4 for number of wires
- 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 Rate	DC – 1.6 Mb/sec
Data Input Impedance	120 Ohm 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)

