

ECT100 SERIES

ECT044 RS-422 DATA OPTICAL LINK



ECT044 system provides a dual 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 – 120 Kb/sec. ECT044 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

ORDERING INFORMATION

044E(F)-U(N)-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
- U = DT for transmitter,
= DR for receiver,
= DX for transceiver
- (N) = 4 for 4 channel (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

FEATURES

- ❑ FM Mode Bi-directional Transmission
- ❑ Multimode and Singlemode Versions
- ❑ Power and Signal Status Indicators

Fiber Type	Multimode		Singlemode
Optical Core Diameter	50 μ	62.5 μ	8/10 μ
Operating Wavelength	850/1310 nm		1310/1550 nm
Optical Power Source	LED		Laser
Optical Power Output	-17 dBm -14 dBm		-8 dBm
Receiver Sensitivity	-36 dBm		-38 dBm
Attenuation Budget	19dB 22dB		30 dB
Optical Connectors	ST, SC		FC, ST, SC

**higher power laser sources are available per special request*

Channel Capacity	2Ch. - for standalone module 4Ch. - for rack card
Data Rate	DC – 120 Kb/sec
Data Input Impedance	120 Ohm or 10K balanced
Power Requirements	12 VAC/VDC @ 300mA 24VAC @ 200mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Module Dimensions	6.86"(172mm) x 4.95"(126mm) x 1.4"(36mm)



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>