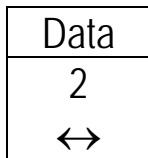


## ECT033 DUAL CHANNEL RS-232 DATA OPTICAL LINK



ECT033 system provides a dual channel duplex high performance link for transmitting RS-232 data signals over a fiber optic cable.

The system features quality transmission of data signals with data rates DC – 200 Kb/sec

ECT033 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

### ORDERING INFORMATION

033E(F)-UN-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 = 2 for 2 channel  
= 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

- ❑ Dual Channel Duplex Transmission, DC – 200 kb/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

<b>Operating Wavelength</b>	850 nm	1300 nm	1310/1550nm
<b>Optical Core Diameter</b>	50μ/62.5μ		8/10μ
<b>Optical Power Source</b>	VCSEL	LED	Laser
<b>Optical Power Output*</b>	-3 dBm	-14 dBm	-6 dBm
<b>Receiver Sensitivity</b>	-33 dBm	-36 dBm	-36 dBm
<b>Receiver Sensitivity**</b>	-31 dBm	-34 dBm	-34 dBm
<b>Optical Connectors</b>	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.

<b>Channel Capacity</b>	2Ch. - for standalone module 4Ch. - for rack card
<b>Data Interface</b>	RS-232
<b>Data Rate</b>	DC – 200 Kb/sec
<b>Data Input Impedance</b>	5K unbalanced
<b>Power Requirements:</b>	
<b>Module</b>	11 - 14 VAC/VDC @ 200 mA 21 - 27 VAC @ 150 mA
<b>Card</b>	11 - 14 VDC @ 400 mA
<b>Operating Temperature</b>	-30°C to +70°C (-22°F to +158°F)
<b>Dimensions:</b>	
<b>Module</b>	6.86"(172mm) x 4.95"(126mm) x 1.4"(36mm)
<b>Card (w/o connectors)</b>	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
<b>Card (with connectors)</b>	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)

