

ECT033 TWO / FOUR CHANNEL RS-232 DATA OPTICAL LINK



Data
2
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ECT033 system provides two or four channel duplex high performance link for bi-directional 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-N/DX2-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
- = SD, SPD, S(15)D, S(15)PD for DFB lasers option
- N = 2 for 4 ch. card-module or rack card*
- 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.

FEATURES

- ❑ Dual or Four Channel Duplex Transmission, DC – 200 kb/sec
- ❑ Multimode and Singlemode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators
- ❑ 12 VDC or 24 VAC Power Supply

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	-4 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.

Channel Capacity	2Ch. - for standalone module 4Ch. - for rack card or standalone card-module
Data Interface	RS-232
Data Rate	DC – 200 Kb/sec
Data Input Impedance	5K unbalanced
Data Connector	RJ45
Power Requirements:	
2Ch. Module	11 - 14 VDC @ 200 mA 21 - 27 VAC @ 150 mA
4Ch. Card / Module	11 - 14 VDC @ 400 mA
Power Connector:	
Module	Terminal Block with Plug, 3 pos.
Card-Module	Screw Terminal, 2 pos.
Operating Temperature	-20°C to +70°C (-4°F to +158°F)
Dimensions:	
2Ch. Module	6.86"(172mm) x 4.95"(126mm) x 1.4"(36mm)
4Ch. Card / Module (w/o connectors)	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
4Ch. Card / Module (with connectors)	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)

Note: The specifications are subject to change without notice.



Elcommtech Corp. 2620 Ocean Parkway, Suite 4H, Brooklyn, NY 11235
 Tel (718) 743-2869 • Fax (718)648-3642 • E-mail sales@elcommtech.com
<http://www.elcommtech.com>