ECT001 ONE DUPLEX CHANNEL DATA FM OPTICAL LINK

ECT001 system provides one duplex channel high performance link for bi-directional transmitting data signals over a fiber optic cable. The system features quality transmission of data signals with data rates DC – 30 Mb/sec..
ECT001 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

FEATURES

- High Speed Duplex Data Transmission, DC – 30 Mb/sec.
- Multimode and Single mode Versions
- Isolates EMI, RFI, Ground Loops
- Surface Mount Technology
- Power and Signal Status Indicators
- Dry contact lost link alarm
- 12 VDC or 24 VAC Power Supply

Operating Wavelength	850 nm	1310/1550 nm
Optical Core Diameter	**50µ/62.5µ**	**8/10µ**
Optical Power Source	VCSEL	Laser
Optical Power Output*	-4 dBm	-6 dBm
Receiver Sensitivity	-30 dBm	-34 dBm
Receiver Sensitivity**	-28 dBm	-33 dBm
Optical Connectors	ST, SC	ST, SC, FC

**with +/- 1 dBm variation;*
*** for configurations with internal WDM.*

Channel Capacity	1 Duplex Data Channel
Data Rate	DC - 30 Mb/sec for TTL & RS-422 DC - 200 Kb/sec for RS-232, RS-485 & 20 mA current loop
Data Connector	RJ45
Power Requirements	11 – 14 VDC @ 200 mA 21 – 27 VAC @150mA
Power Connector	Terminal Block with Plug, 3 pos.
Operating Temperature	-20°C to +70°C -4°F to +158°F
Dimensions	6.86" x 4.95" x 1.4" 172mm x 126mm x 36mm

ORDERING INFORMATION

001**E**-DX**F**-M**YZ**

E = **M** for multimode 850 nm
= **S** for single mode receiver and 1310 nm transmitter
= **S(15)** for single mode receiver and 1550 nm transmitter
= **S(15)D** for single mode DFB 1550 nm transmitter

F = **1** for TTL/CMOS data format;
3 for RS-232 data format;
4 for RS-422 data format;
5 for RS-485 data format;
7 for 20 mA current loop data format;
9 for contact closure data format.

Y = **1, 2** number of fiber (1 fiber for single mode only)

Z = **ST, SC, FC** for optical connector

Note: The specifications are subject to change without notice.

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