ECT100 SERIES

ECT044(2)   TWO / FOUR CHANNEL RS-422 DATA OPTICAL LINK

Data
2
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ECT044(2) system provides two or four channel duplex high performance link for bi-directional transmitting RS-422 data signals over a fiber optic cable.

The system features quality transmission of data signals with data rates DC – 5 Mb/sec

ECT044(2) utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

FEATURES

- ❏ High Speed Duplex Data Transmission, DC - 5 Mb/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

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		FC, ST, SC

* 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-422
Data Rate	DC – 5 Mb/sec
Data Connector	RJ45
Data Input Impedance	120 Ohm or 10K balanced
Power Requirements: 2Ch. Module	11 - 14 VAC/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 (w/o connectors)	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
4Ch. Card (with connectors)	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)

ORDERING INFORMATION

044**E-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 = **FC, ST** or **SC** for optical connectors

*compatible with USR type chassis

Note: The specifications are subject to change without notice.

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