

## ECT040(1-4) ONE / FOUR CHANNEL RS-422 DATA OPTICAL LINK



Data
1 / 4
→

ECT040 system provides one or four channel high performance unidirectional link for transmitting RS-422 data signals over a fiber optic cable. The system features quality transmission of data signals with data rates DC – 26 Mb/sec.

ECT040 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

### FEATURES

- ❑ High Speed Data Transmission, DC - 26 Mb/sec
- ❑ Multimode and Singlemode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators

<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	-4 dBm
<b>Receiver Sensitivity</b>	-30 dBm	-34 dBm	-36 dBm
<b>Optical Connectors</b>	ST, SC		ST, SC, FC

\* with +/- 1 dBm variation; higher power laser sources are available per special request.

<b>Channel Capacity</b>	1Ch. - for standalone module 4Ch. - for rack card or standalone card-module
<b>Data Interface</b>	RS-422
<b>Data Rate</b>	DC – 26 Mb/sec
<b>Data Input Impedance</b>	120 Ohm or 10K balanced
<b>Power Requirements:</b>	
<b>1Ch. Module</b>	11 - 14 VAC/VDC @ 200 mA 21 - 27 VAC @ 150 mA
<b>4Ch. Card / Module</b>	11 - 14 VDC @ 400 mA
<b>Operating Temperature</b>	-30°C to +70°C (-22°F to +158°F)
<b>Dimensions:</b>	
<b>1Ch. Module</b>	4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm)
<b>4Ch. Card / Module (w/o connectors)</b>	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
<b>4Ch. Card / Module (with connectors)</b>	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)



## ORDERING INFORMATION

040E-DT-MYZ - Data Transmitter 1Ch. Module  
040E-DR-MYZ - Data Receiver 1Ch. Module  
040E-4/DT-MYZ - Data Transmitter 4Ch. Module  
040E-4/DR-MYZ - Data Receiver 4Ch. Module  
040E-4/DT-CYZ - Data Transmitter 4Ch. Card\*  
040E-4/DR-CYZ - Data Receiver 4Ch. Card\*

**E** = **M** for multimode 850 nm  
= **M(13)** for multimode 1300 nm  
= **S** for single mode receiver or 1310 nm transmitter  
= **SP** for single mode high power ( $\geq 0$  dBm) 1310 nm transmitter  
= **SPD** for single mode high power ( $\geq 0$  dBm) 1310 nm / DFB transmitter  
= **S(15)** for single mode 1550 nm transmitter  
= **S(15)P** for single mode high power ( $\geq 0$  dBm) 1550 nm transmitter  
= **S(15)D** for single mode 1550 nm / DFB transmitter  
= **S(15)PD** for high power ( $\geq 0$  dBm) 1550 nm / DFB transmitter  
= **S(W)** for single mode CWDM / DFB transmitter  
= **S(W)P** for high power ( $\geq 0$  dBm) CWDM / DFB transmitter

CWDM wavelength (**W**): **14.7**(1470 nm), **14.9**(1490 nm), **15.1**(1510 nm), **15.3**(1530 nm),  
**15.5**(1550 nm), **15.7**(1570nm), **15.9**(1590 nm), **16.1**(1610 nm).

**Y** = **1** number of fibers for standalone module  
= **2, 4** number of fibers for 4 channel module or rack card  
**Z** = **ST, SC, FC** for optical connectors

*\*compatible with USR type chassis.*

**Note:** The specifications are subject to change without notice.



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