

ECT010(1-4)

ONE / FOUR CHANNEL TTL/CMOS DATA OPTICAL LINK



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|-------|
| Data |
| 1 / 4 |
| → |

ECT010 system provides one or four channel high performance unidirectional link for transmitting TTL/CMOS data signals over a fiber optic cable. The system features quality transmission of data signals with data rates DC – 26 Mb/sec.

ECT010 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

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|------------------------------|-----------|---------|-------------|
| 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 | -6 dBm |
| Receiver Sensitivity | -30 dBm | -34 dBm | -36 dBm |
| Optical Connectors | ST, SC | | ST, SC, FC |

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

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| Channel Capacity | 1Ch. - for standalone module 4Ch. - for rack card or standalone card-module |
| Data Interface | TTL/CMOS |
| Data Rate | DC – 26 Mb/sec |
| Data Input Impedance | 10K unbalanced |
| Power Requirements: | |
| 1Ch. Module | 11 - 14 VAC/VDC @ 200 mA 21 - 27 VAC @ 150 mA |
| 4Ch. Card / Module | 11 - 14 VDC @ 400 mA |
| Operating Temperature | -30°C to +70°C (-22°F to +158°F) |
| Dimensions: | |
| 1Ch. Module | 4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm) |
| 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) |



ORDERING INFORMATION

010E-DT-MYZ - Data Transmitter 1Ch. Module
010E-DR-MYZ - Data Receiver 1Ch. Module
010E-4/DT-MYZ - Data Transmitter 4Ch. Module
010E-4/DR-MYZ - Data Receiver 4Ch. Module
010E-4/DT-CYZ - Data Transmitter 4Ch. Card*
010E-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 (≥ 0 dBm) 1310 nm transmitter
= **SPD** for single mode high power (≥ 0 dBm) 1310 nm / DFB transmitter
= **S(15)** for single mode 1550 nm transmitter
= **S(15)P** for single mode high power (≥ 0 dBm) 1550 nm transmitter
= **S(15)D** for single mode 1550 nm / DFB transmitter
= **S(15)PD** for high power (≥ 0 dBm) 1550 nm / DFB transmitter
= **S(W)** for single mode CWDM / DFB transmitter
= **S(W)P** for high power (≥ 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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