

ECT011 ONE / TWO CHANNEL TTL/CMOS DATA OPTICAL LINK



FEATURES

- ❑ High Speed Duplex Data Transmission, DC – 26 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

ECT011 system provides one or two channel duplex high performance link for bi-directional transmitting TTL data signals over a fiber optic cable. The system features quality transmission of data signals with data rates DC – 26 Mb/sec. ECT011 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

| 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 |
| 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 configurations with internal WDM.

ORDERING INFORMATION

011E-N/DX-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 2 ch. card-module or rack card*
- X** = **M** for standalone module
- = **C** for rack card*
- Y** = **1, 2** number of fibers for standalone module
- = **2, 4** number of fibers for rack card
- Z** = **ST, SC, FC** for optical connectors

*compatible with USR type chassis

| | |
|---|--|
| Channel Capacity | 1Ch. - for standalone module 2Ch. - 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 |
| 2Ch. Card / Module | 11 - 14 VDC @ 400 mA |
| Operating Temperature | -30°C to +70°C (-22°F to +158°F) |
| Dimensions: | |
| 1Ch. Module | 6.86"(172mm) x 4.95"(126mm) x 1.4"(36mm) |
| 2Ch. Card / Module (w/o connectors) | 11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm) |
| 2Ch. Card / Module (with connectors) | 12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm) |

Note: The specifications are subject to change without notice.



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