

ECT100 SERIES

ECT099 CONTACT CLOSURE DATA OPTICAL LINK



FEATURES

- ❑ FM Mode Bi-directional Transmission
- ❑ Multimode and Singlemode Versions
- ❑ Power and Signal Status Indicators

ECT099 system provides a dual channel duplex high performance link for transmitting two contact closure data signals over a fiber optic cable. The system features quality transmission of data signals with switching time up to 4 msec. ECT099 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	-32 dBm	-34 dBm	-35 dBm
Receiver Sensitivity**	-30 dBm	-32 dBm	-33 dBm
Optical Connectors	ST, SC		FC, ST, SC

* with +/- 1 dBm variation

** for one-fiber configuration with internal WDM

ORDERING INFORMATION

099E(F)-UN-XYZ

- E = M for multimode 850nm or 850/1300nm
= S for singlemode 1310nm or 1310/1550nm
- E(F) = M(13) for multimode 1300nm
= S(15) for singlemode 1550nm
- U = DT for transmitter,
= DR for receiver,
= DX for transceiver
- N = 2 for 2 channel
= 4 for 4 channel (rack card only)
- 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

Channel Capacity	2Ch. - for standalone module 4Ch. - for rack card
Data Rate	Up to 4 msec
Data Input Impedance	120 Ohm or 10K balanced
Power Requirements	12 VAC/VDC @ 300mA 24VAC @ 200mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Module Dimensions	6.86" (172mm) x 4.95" (126mm) x 1.4" (36mm)



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