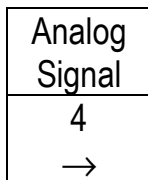


ECT400-AS FOUR CHANNEL FM UNIVERSAL ANALOG SIGNAL OPTICAL LINK



The ECT400-AS FM system provides high performance link for unidirectional transmission of various analog signals over four, two or one a fiber optic cable.

The ECT400-AS FM transmitter/receiver is fully compatible with ECT100-AS type systems allowing for mixed configurations when required.

The ECT400-AS utilizes wideband linear frequency modulation/demodulation and very low noise transmission technology to assure high quality and stability.

ORDERING INFORMATION

400E-AST/I -XYZ – transmitter module

400E-ASR/I-XYZ – receiver module

- E** = **M** for multimode 850 nm
 = **S** for single mode receiver or 1310 nm transmitter
 = **S(15)** for single mode 1550 nm transmitter
 = **S(15)D** for single mode 1550 nm / DFB transmitter
I = **75 Ohm, Custom** for input/output impedance
X = **M** – module style, **C** – rack card style (USR Series Chassis)
Y = **2, 4** for number of fiber
Z = **FC, SC, ST** for optical connector

FEATURES

- ❑ Wideband FM Transmitting/Receiving Technology
- ❑ Universal Balanced/Unbalanced Input for Transmitter
- ❑ Supports Transmission of Various Analog Signals such as: Video, Sync, RF/IF, Timing, Telemetry Signals and more
- ❑ Multimode and Single Mode Versions
- ❑ High Accuracy In/Out Signal Transmission with No Adjustments
- ❑ Signal Status Indicators

Operating Wavelength	850 nm	1310/1550 nm
Optical Core Diameter	50μ/62.5μ	8/10μ
Optical Power Source	VCSEL	Laser
Optical Power Output*	-4 dBm	-4 dBm
Receiver Sensitivity:	-23 dBm	-28 dBm
Optical Connectors	SC, ST	FC, SC, ST

* with +/- 1 dBm variation.

Signal Bandwidth @ 3 dB	10 Hz - 10 MHz
Input Impedance (TX)	75 Ohm, Custom universal: balanced, unbalanced
Output Load Impedance (RX)	75 Ohm, Custom
Input/Output Signal Level	0 to +/- 5 V @ 75 Ohm
Signal-to-Noise Ratio*	62 dB
Input/Output Connector	BNC
Power Requirements:	
Transmitter Module (TX)	11 - 15 VDC @ 0.3 A
Receiver Module (RX)	13.5 VDC @ 0.5 A/regulated
Operating Temperature	-20°C to +60°C -4°F to +140°F
Dimensions (w/o connectors)	11.6" x 5.2" x 1.05" 295 mm x 132 mm x 27 mm

* measured with 100m for multimode and 1km for single mode optical cable.

Note: The specifications are subject to change without notice.



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