

ECT100 SERIES

ECT020

DUAL CHANNEL AUDIO FM OPTICAL LINK



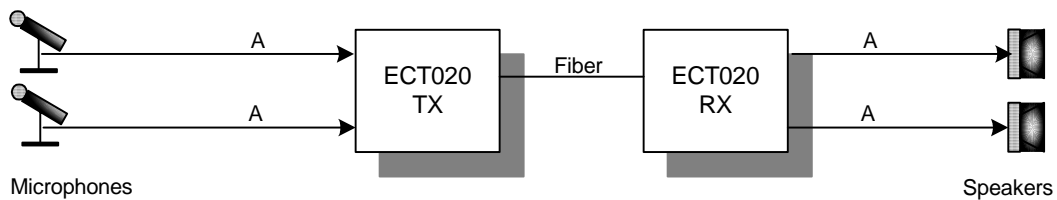
FEATURES

- * Frequency Modulation (FM) Quality
- * Surface Mount Technology
- * Screw Terminal Block (3 pos. Plug) Audio Connectors
- * ST, FC Optical Connector
- * 2 Channels Audio
- * Up to 4 km/2.5mi on 850nm multimode;
Up to 16 km/100mi on 1300nm multimode;
Up to 80km/50mi on singlemode.
- * No User Adjustments
- * Status Monitor LEDs

APPLICATIONS

- * Intercom and Audio Broadcasting
- * Security and Surveillance
- * Campus Media Retrieval/Distance Learning
- * Studio Applications

LAYOUT DIAGRAM



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ECT020 SPECIFICATIONS

Audio Performance

Audio In/Output Impedance	600 Ohm or 10K bal/unbal,
Audio In/Output Level	0dBm or +18dBm
Frequency Response	0Hz to 20kHz
Signal to Noise Ratio	>65dB (weighted)

General Parameters

Operating Temperature	- 40°C to +74°C
Storage Temperature	- 40°C to +85°C
Operating Humidity	0 to 95% non-condensing
Weight	340g (12oz)

Dimensions

156mm (6.15") L, 84mm (3.3") W, 62mm (2.42") H

Power Consumption 1.5W

Mean Time Between Failures (MTBF) >100,000Hrs.

Optical Performance

Wavelength	LED 850 or 1300nm		1310 or 1550nm Laser
Fiber Type	50/125 μ	62.5/125 μ	Singlemode
Output Power w/ST	-17dBm	-14dBm	N/A
Output Power w/FC (all units)	N/A	N/A	-8dBm
Receiver Sensitivity	-33dBm	-33dBm	-36dBm
Optical Loss Budget	16dB	19dB	28dB

ORDERING INFORMATION

020E-AU-M1Z

- E** = **M** for multimode
= **M(13)** for multimode 1300nm only
= **S** for singlemode
= **S(15)** for singlemode 1550nm only
U = **T** for transmitter, **R** for receiver
Z = **FC** connector
= **ST** connector
= **SC** connector



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