

Miniature Flight Termination Receiver and Tone Decoder



Applications

- Flight termination systems
- Range qualified to RCC-319-99

Features

- Airborne flight termination receiver
- Sensitive RF receiver
 - 420MHz to 450MHz range
 - Programmable RF center frequency
 - -107dBm to +13dBm dynamic range
- Programmable decoder tone frequencies
- 3 or 4 command tone decoder - Programmable
- Rugged miniature airborne packaging (3.7 in3)
- Full failsafe operation
- 4 command outputs based on decoded tones
- Output tone monitors for each individual tone
- Receiver signal strength output (SSTO)
- All solid state design (No tunable elements)
- Standard range safety logic
- 22VDC to 36VDC input voltage range

Description

The programmable FTR-100 is a miniature airborne flight termination receiver and tone decoder for flight termination system applications that utilized tone based command messaging. FTR-100 provides a highly sensitive superheterodyne RF receiver whose center frequency is programmable. The versatile tone decoder can be programmed to decode 3 or 4 tone sequences, as well as the tone frequencies, and provides command outputs for flight termination devices. The FTR-100 can be enabled for full fail-safe operation, including programmable loss of tone duration. The FTR-100 is provided in a ruggedized 3.7 cubic inch packaging.

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FTR-100 Datasheet

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System
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