

TTC_RCV

PCM/FM RECEIVER/BIT SYNCHRONIZER



DESCRIPTION

The **TTC-RCV** combines the functions of a FM Telemetry Receiver and a PCM Bit Synchronizer into a single low cost PCMCIA type II card. The card can be installed in a portable PC compatible platform for pre-flight or lab testing.

The **TTC-RCV** receives and demodulates PCM/FM signals at L or S band (customer specified at time of order). The RF input is supplied by an external antenna (included) or cable. A tunable IF bandwidth is provided to enhance desired signal selectivity. Tunable AGC and AFC bandwidths are provided so the card can be tailored to the dynamics of the flight line environment.

The demodulated PCM data is supplied directly to the on-card Bit Synchronizer.

KEY FEATURES

- **PCMCIA-based PCM/FM Receiver/Bit Synchronizer**
- L-Band or S-Band Input
- Bit Rates **up to 10 Mbps**, NRZ Codes
- Accepts all IRIG-106 PCM Inputs
- Provides all **IRIG-106 PCM** Data Outputs with Coherent Clock
- Onboard **Bit Error Rate Detector** and Test Data Simulator
- **TTL and RS-422** compatible PCM data

SPECIFICATIONS

Receiver

Band	S-Band or L-Band
Tuning Resolution	20 kHz
Dynamic Range	Greater than 70 dB
Noise Figure	Better than 12dB
RSSI Output	1

Bit Synchronizer

Bit Rates	Up to 10 Mbps for NRZ codes Up to 2.5 Mbps for BiØ codes
Input	All IRIG-106 PCM
Output	All IRIG-106 PCM Data Outputs with Coherent clock

ORDERING INFORMATION

TTC_RCV/S	S-band
TTC_RCV/L	L-band

*Specifications are subject to change.
Please, verify the latest specifications
prior order.*

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