

Ground Station Receiver



Applications

- Telemetry Data Reception
- Antenna Tracking Systems
- Frequency Diversity Telemetry Systems
- Flight Test Instrumentation
- Remote Telemetry Site Operation
- Sites Requiring Efficient Rack Space Utilization
- Simulation

Features

- Dual channel with total independent control including
- Frequency and Demod modes
- Independent channel Digital Signal Processing (DSP) Demodulators
- Built-In Diversity Branch Selector for optimum data quality performance
- Frequency and spatial diversity capability
- Internal Bit Syncs for each Demodulator
- Channel 1, Channel 2 and Combined Data Outputs
- Multi-band coverage
- Multiple SAW IF Filters
- Automatic Adaptive IF Filters which automatically adapts to the data rate
- Excellent Adjacent Channel Interference Immunity
- Data rates to 20 Mbps (SOQPSK), 10 Mbps (PCM/FM)
- 15 Bit De-Randomizer, selectable
- ARTM TIER I phase noise compliant
- Synthesized Local Oscillators locked to Internal or External 10 MHz reference
- Fast recovery from power outage
- Rear panel AM and AGC for Antenna Tracking
- Easy to Use Front Panel Control
- Local or Remote Control via Ethernet, IEEE-488, RS-232
- 20 Non-Volatile User Stored Setups with Names
- Independent AGC and Signal Strength Outputs
- 3U rack height

Description

TTC's MTGS-2000 digital telemetry receiver system combines two high performance, independently tuned RF tuners with the proven performance of two TTC RF Networks multi-mode demodulators and Diversity Branch Selector all in 5.25 inch rack mounted chassis. The receiver system provides the user with state-of-the-art technology backed by outstanding customer support.

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MTGS-2000 Datasheet

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