



TTC-9V VHF Receiver

The TTC-9V series VHF Receiver is a high reliability and low power receiver, designed for uplink command uploading, up to a data rate of 9600 bps. It is designed to provide high data availability and reliability to meet the challenge for dependable satellite communications and control, from launch and early operation phase, to routine operations and Safe-Hold operations.

Designed to provide an omni-directional coverage and low power operations, the TTC-9V ensures a constant communication link over the ground station with high control confidence.

Key Features

- Light weight, low cost and high performance
- Ultra low power operation
- Uplink data rate up to 9.6Kbps

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Technical Specifications

RECEIVER

Receiver Frequency	148MHz to 149MHz
Receiver Dynamic Range	-70 to -100 dBm
Noise Figure	< 3.5 dB
Receiver Demodulation	BPSK Demodulation 9.6 Kbps
Mass	1.30kg / chain
Overall volume	260 x 220 x 25 mm ³
Interface	Synchronous Serial Interface

GENERAL

Power Consumption	< 2.5W (Receiver) 28V un-regulated supply
CAN Network Interface	Telecommand and telemetry interface for configuration of the S-Band transmitter and receiver CAN network interface for short packet transmission, 500 Kbps
Random Vibration	20 Grms
Radiation Tolerance	10kRad
Operating Temperature	-20°C to +70°C

Note: All specifications are subject to change without notice.
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