

QTI

Quad Tron Inc

Telemetry Transmitter Series TTx-200-1/2W-2W Data Sheet 1400-2400 MHz in bands

The TTx-200 Telemetry Transmitter Series Represents another breakthrough in the Telemetry marketplace. This Series is designed to allow the customer to add a transmitter to the MICRO encoder series and thus have a complete telemetry system solution. These Ultra rugged units will accommodate high shock levels. Low voltage operation, and ultra small size makes this Transmitter series ideal for use with MICRO series where it can be the bottom item in the encoder stack.



Product Specifications: TTx-200-1/2 Watt, 1-Watt, 2-Watt

RF operating characteristics:

Frequency of Operation: Single/Multi-channel
 Frequency Stability: +/-0.002%
 Output Power: 0.25, 0.5, 1 or 2 Watt Min.
 Output Z: 50 Ohms nominal
 VSWR: 1.5:1 nominal
 Spurious Outputs: IRIG-106

Modulation characteristics:

Modulation Type: True FM
 Modulation Frequency Response: 100 Hz to 6 MHz
 Modulation Sense: Positive
 Modulation Input Z: 75 Ohms/ Hi-Z optional
 Filtering/Preconditioning: CCIR-405; or up to a 6-pole Bessel
 Sensitivity: Factory Set to customer specifications

Power Requirements:

Voltage Range: 8 to 15 Volts, 5 Vdc operation available on lower power unit.
 Current Consumption: Dependent on RF power; 1 Watt \leq 550mA, 2 Watt \leq 850mA
 Reverse Polarity Protection: Provided

Environmental Specifications:

Temperature Range: -20 to +70°C Standard, -40 to +85°C Optional
 Humidity: Non-Condensing
 Acceleration: 100 g's
 Shock: 100g's, 11 mSec, 1/2 sine
 Vibration: 20g's sine, 10 Hz to 2 kHz
 0.1g²/Hz Random, 10 Hz to 2 kHz

Mechanical/Connector characteristics:

RF Output: SMA Female, "pigtail" optional
 DC Input: MDM9S
 Modulation Input: MDM9S
 Outline Dimensions: See Mechanical drawing
 Mounting: See Mechanical drawing

Ordering Information/Options:

Quad Tron takes pride in easily meeting customer specific requirements. Please consult factory for options.
 Consider the following when preparing an order: Frequency of operation, pre-modulation filtering if any, Input Z, Modulation Sensitivity, RF output power, and Power/Mod/RF Cable lengths.

Quad Tron
 303 Camars Drive
 Warminster, PA 18974

www.quadtron.com

Contact Information:

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 Fax 215-441-9305
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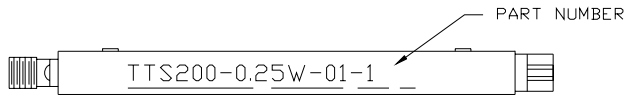
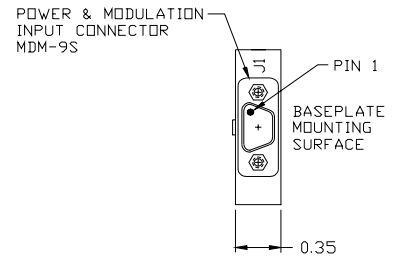
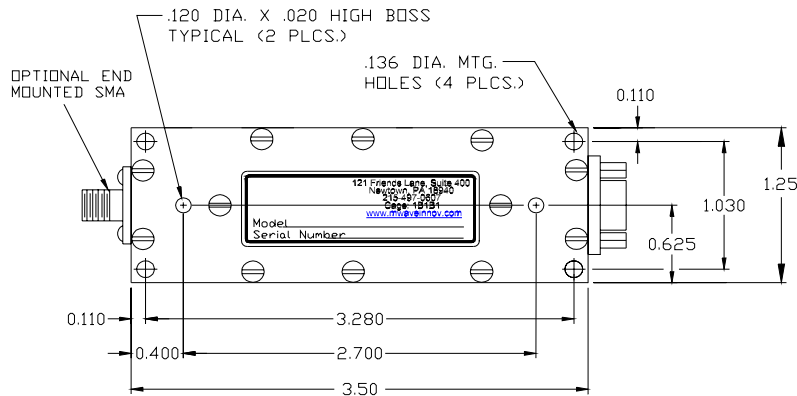
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Telemetry Transmitter Series
TTx-200-1/2W-2W Data Sheet
1400-2400 MHz in bands

Product Outline Dimensional Drawing: TTx-200-1/2W-2W

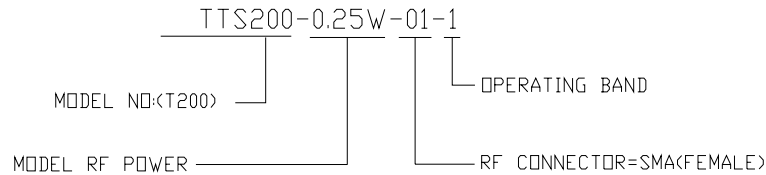
Mechanical/Connector characteristics: (1.5 Cubic inch package)



J1 PIN CONNECTIONS

- PIN1 FUNCTION: POWER INPUT
- PIN2 FUNCTION: POWER RETURN
- PIN3 FUNCTION: MODULATION INPUT
- PIN4 FUNCTION: TRANSMITTER CHASSIS
- PIN5 FUNCTION: NOT CONNECTED
- PIN6 FUNCTION: POWER INPUT
- PIN7 FUNCTION: POWER RETURN
- PIN8 FUNCTION: NOT CONNECTED
- PIN9 FUNCTION: CHANNEL SELECT (SINGLE WIRE)

Model designation/Ordering information:



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