

Tactical Communication Products: RT-5000 Base Model



PRODUCT DESCRIPTION

The RT-5000 AM/FM Multi-band Transceiver can take the place of six Transceivers since it can cover the 30-50, 50-88, 118-136, 136-174, 220-400, 400-512, and 800-960 MHz frequency bands with one Transceiver. In addition, a second receiver called a “guard” can be added for monitoring an additional frequency. This guard receiver can be a single channel crystal-controlled or a fully 29.7-960 MHz synthesized version. The RT-5000 is controlled by the C-5000 control head via a Wulfsberg proprietary serial tuning bus that reduces wiring complexity and installation costs. Wulfsberg supplies several antenna choices that can support the complete range of frequencies of the RT-5000 in ONE antenna. Thus, One Transceiver, One Control Head, One Antenna solution to your communication requirements for Public Service communications.

Features

29.7-960 MHz
10 Watts FM/15 Watts AM (Nominal)
TX Power
1.25 kHz Tuning
12.5/25/35/70 kHz IF Bandwidths
DF Interface
CTCSS/DCS
FAA PMA Certified

Options

Synthesized Guard (29.7-960 MHz)
30-50 MHz Single Channel Guard

137-174 MHz Single Channel Guard
406-512 MHz Single Channel Guard

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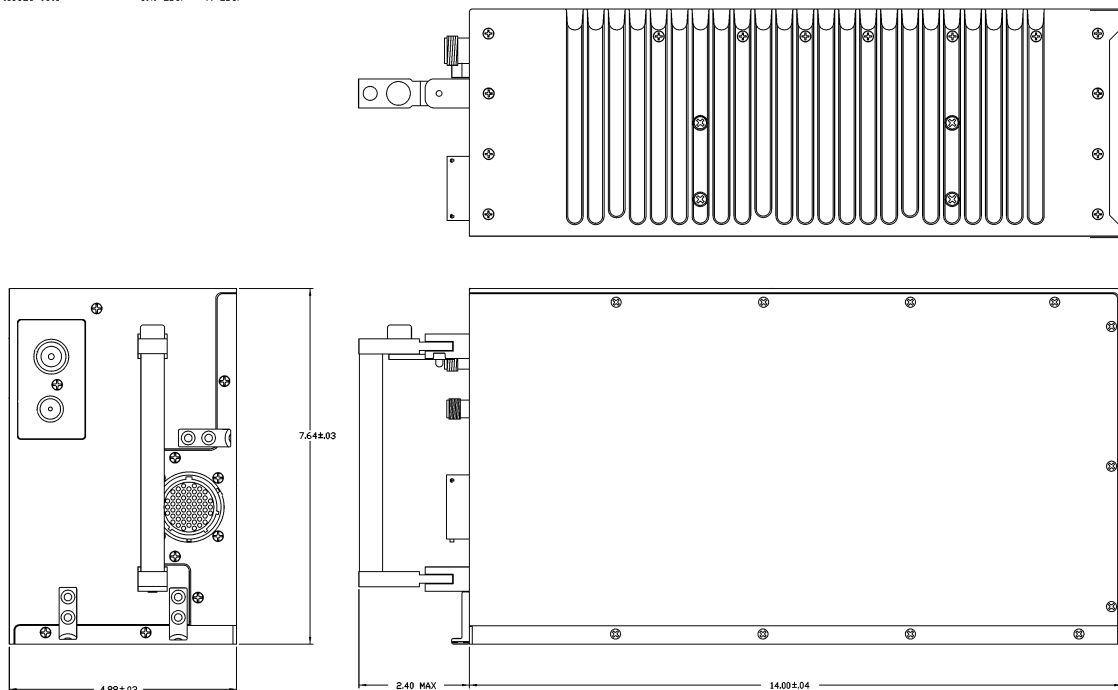
Specifications

Voltage Requirements	Voltage: 27.5 Vdc +/-20%
Current Requirements	Receive: 2.5 Amp, Transmit: 10.0 Amp Max
Weight	15.8 to 19.0 lbs. (7.17 to 8.62 kg)
Temperature	-22°F to +140°F (-30°C to +60°C)
Frequency Range	29.7-400 MHz (AM); 29.7-960 MHz (FM)
Channeling	12.5/20/25/30/50 kHz
Tunability	1.25 kHz steps

Available Configurations

Part Number	Description
400-015525-0101	Standard Transceiver w/o Guard
400-015525-0201	Transceiver, 30-50 MHz Guard
400-015525-0301	Transceiver, 138-174 MHz Guard
400-015525-0401	Transceiver, 406-512 MHz Guard
400-015525-0501	Transceiver w/Synthesized Guard

FLAVOR	WEIGHT
400-015525-0101	15.8 LBS. ± .4 LBS.
400-015525-0201	17.2 LBS. ± .4 LBS.
400-015525-0301	16.6 LBS. ± .4 LBS.
400-015525-0401	17.2 LBS. ± .4 LBS.
400-015525-0501	19.0 LBS. ± .4 LBS.



**Figure 25. RT-5000 Base Model Outline Drawing
Portions of Dwg No. 154-015525**