



Tactical Communication Products: RT-30 Transceiver

PRODUCT DESCRIPTION

The RT-30 Transceiver utilizes a digital frequency synthesizer to provide FM communications on any authorized channel currently available in low band VHF from 29.7 MHz to 49.99 MHz. Using the C-1000 or C-5000 control unit, this Transceiver can be operated push-to-talk duplex with a transmit frequency at one end of the band and the receiver at the other. Changing channels is easy – up to 350 preset channels can be programmed to your assigned frequencies, or complete frequency agility is available in the control units. The Transceiver's small size and light weight is ideally suited to small or large fixed wing aircraft and helicopters. Every production unit is tested to assure that the severe operational requirements of rotary and fixed wing aircraft are met, including extreme high and low temperature and vibration testing.

Features

- 29.7 – 49.99 MHz
- 10 Watts FM TX Power
- 10 kHz Tuning
- 28 Volt Aircraft Power
- Aircraft Audio Interfaces
- 32 CTCSS Tones
- FAA PMA Certified

Options

- Single Frequency Guard

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Specifications

Voltage Requirements	27.5 Vdc, +/- 20%
Current Requirements	Receive: 1.0 Amp, Transmit: 2.5 Amp Max
Weight	7.5 lbs. to 8.3 lbs. (3.40 kg to 3.76 kg)
Temperature	-22°F to +140°F (-30°C to +60°C)
Altitude	51,000 feet (15,544.8 m)
Frequency Range	29.70 MHz – 49.99 MHz
Channeling	20 kHz under Part 90
Tunability	10 kHz steps
Physical Dimensions	4.38 x 10.5 x 5 in. (111.252 x 266.7 x 127 mm)

Available Configurations

Configuration Variations	Description
400-0098-000	RT-30-0 FM Transceiver, 29.7-49.9 MHz
400-0098-001	RT-30-1 FM Transceiver, 29.7-49.9 MHz, w/Guard RCVR
400-0098-002	RT-30-2 FM Transceiver, 29.7-49.9 MHz, w/Guard RCVR & Guard Tones

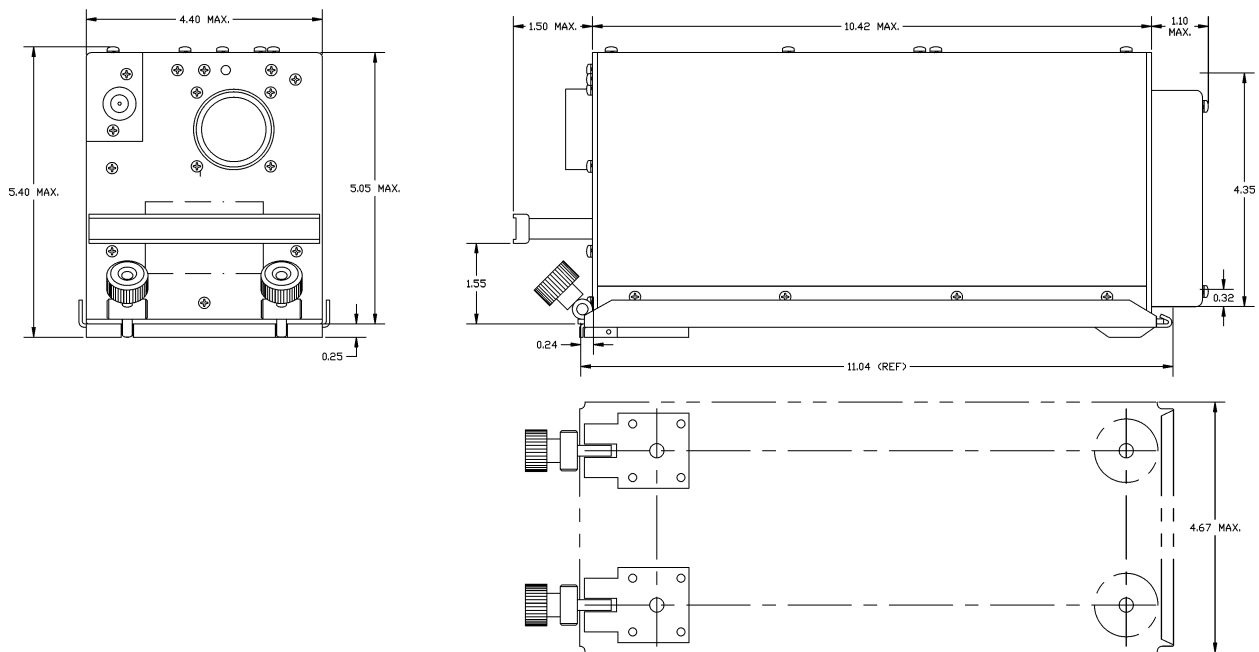


Figure 29. Flexcomm RT-30 Outline Drawing
Portions of Dwg No. 147-0119-000