ULTRALiFE®
COMMUNICATIONS SYSTEMS

A-3575
75-Watt Multiband Amplifier

Overview

The A-3575 provide the same trademark power and performance associated with all Ultralife amplifiers. Users benefit from consistent amplification across the 30-512 MHz range. Operators select 12, 25 and 50/75 watts. The 50/75 watt power setting provides 75 watts of power in the UHF TACSAT uplink band and 50 watts everywhere else.

Each unit comes with an easy to install 'shock and vibration' isolating mounting tray and fused power cable. The amp weighs less than 11.5 pounds with the included shock tray, and is sealed, watertight, and weather-resistant.

The amp supports Demand Assigned Multiple Access (DAMA) and other JTRS waveforms. The A-3575 is combat-proven, and MIL-STD 461E and MIL-STD 810F compliant.

Features

- ▶ *JITC compliant*
- ▶ *Supports DAMA & other JTRS waveforms*
- ▶ *75 watts for UHF SATCOM*
- ▶ *Multilevel power control for 12, 25 and 50/75 watts*
- ▶ *Weighs less than 11.5 lbs. with shock tray*
- ▶ *Radio manufacturer independent*

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AMPLIFIERS

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A-3575 Technical Specifications

Part No.	A-3575
Size (H x W x D - inches) (With shock tray assembly)	10.12 x 6.75 x 2.8
Weight	< 12 lbs. including shock tray
Remote Control	RS-232
Frequency Range	30-512 MHz
DC Power	10-36 VDC
DC Input Power - Transmit	420 watts (max)
DC Input Power - Receive	20 watts
RF Input	3-8 watts (5 watts nominal)
RF Output (AM)	12, 25, & 50 watts PEP 110-512 MHz
RF Output (FM)	12 & 25 watts: 30-512 MHz 50 watts: 30-219 & 325-512 MHz 75 watts: 220-324 MHz
RX Path Insertion Loss	< 1.5 dB
RX Path VSWR	< 2:1
Bypass Path Insertion Loss	< 1.5:1 dB
AM Distortion	< 15% 110-512 MHz
MTBF	15,000 hours
Duty Cycle	33% @ 60° C = 50 watts
Operating Temperature	-40° to +60° C
Weather Resistant	IP-65
Finish	Black, anodized
MIL-STD-461E	Certified
MIL-STD-810F	Certified

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