

A-322

Multiband Amplifier, 20 Watt, 30-512 MHz, no keypad, no heatsink
RF Amplifiers



Overview

The A-322 is a variant of the popular A-320 amplifier. Originally designed specifically for satellite operations, it is also ideal for the Unmanned Aerial Vehicles (UAV) in order to provide that important extra boost to signal transmission of target and intel data.



Features

- True HAVEQUICK and SINGARS compatibility
- Supports JTRS waveforms
- DAMA ready
- MIL-STD-810F and MIL-STD-461E compliant
- Full rated power across the 30 - 512 MHz range
- Radio-agnostic
- Remote power on capability

Technical Specifications

Size	Height	31.8 mm
	Width	95.3 mm
	Depth	139.7 mm
Weight	0.7 kg	
Frequency Range	30 - 512 MHz (full spectrum)	
Input/Output Impedance	50 Ω	
RF Input	5 W (nominal)	
RF Output	FM 20 W AM 20 W PEP/110 - 512 MHz	
RX Path Insertion Loss	< 1.5 dB	
RX Path VSWR	< 2:1	
Bypass Path Insertion Loss	< 1 dB	
Power	18 - 36 V DC	
Power @ Transmit	~ 65 W	
Power @ Receive	< 3.0 W	
SINGARS/HAVEQUICK	Compatible	
RF Connector RAD/ANT	BNC/TNC female	
Weather Resistant	MIL-STD-810F Submersible 1 m for 30 minutes	
EMI	MIL-STD-461E	
Finish	Black, Anodised	

Radio Manufacturer Independent

The A-322 is compatible with most field radios used by the military and government agencies. This includes, but is not limited to, the AN/PRC-148, AN/PRC-152 and RF-5800.

When power is turned on the A-322 automatically senses the frequency. The A-322 is radio-agnostic; it does not have to sense the type of radio.

Self Diagnostic

The A-322 monitors antenna performance, BIT and battery status.

Full Rated Power

When you power up this amp, you will get reliable 20 W ALC controlled amplification across the 30 - 512 MHz frequency range.

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All specifications are subject to change without notice

The information contained herein is for reference only and does not constitute a warranty of performance

Partnered Supplier



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