

# 50-Watt Multiband Amplifiers

## A-305 & A-350



technology. As a result, the A-305 and A-350 do not inadvertently jam or desensitize other communication nets operating in the same area.

### More than Quality Control

All our amplifiers come with a three year warranty. Each unit is put through vigorous testing and analysis prior to shipment. When you power up this amp, be confident that you get the performance you expect ... not part of the time, all of the time.

The only difference between the A-305 and the A-350 is the inclusion of a charging pocket for the MBITR radio.

## Features

- **Combat proven**
- **Radio-agnostic**
- **SATCOM compatible**
- **True HAVEQUICK & SINCGARS compatibility**
- **MIL-STD 810F & 461E compliant**
- **Compatible with AN/PRC-148 MBITR, and U`j UfjUbg`cZ AN/PRC-152 radios**
- **Weighs less than 10 lbs.**
- **Sealed, watertight & weather-resistant**
- **Includes easy-to-install shock and vibration mounting tray**
- **Fault/Status monitoring**
- **Accepts standard MBITR cables**
- **Three year warranty**

### Overview

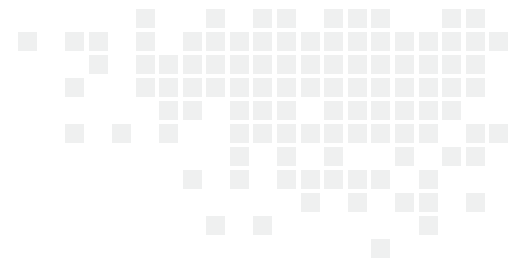
We designed the A-305 & A-350 to be the most consistent, high-performance, fixed base or vehicle mounted 50-watt amplifiers available in the 30-512 MHz frequency range. Radio manufacturer independent means that the A-305 works with the Thales AN/PRC-148 MBITR as well as a variety of other radios operating in the 30-512 MHz range. Anything that lightens the load when you are on the move is advantageous. With shock tray included both units weigh less than 10 pounds.

Like all our amps, these are true HAVEQUICK and SINCGARS compatible as opposed to many other amps that are merely capable. Another important distinction is AMTI's exceptional harmonic filtering and auto-sensing frequency hopping



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## A-305 & A-350

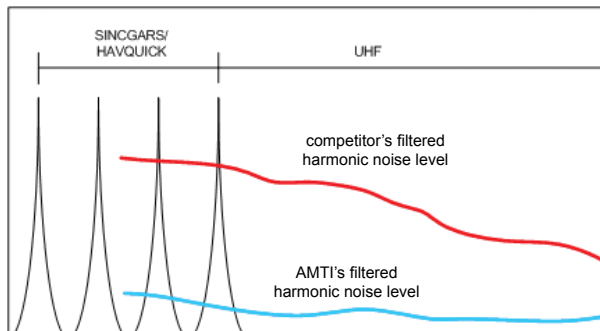


### Technical Specifications:

Part No.	A-305 & A-350	
Size (H x W x D - inches)	<b>A-305</b>	10.12 x 6.75 x 4.5
	<b>A-350</b>	10.12 x 6.75 x 2.78
Weight (with cage assembly)	<10 lbs.	
Frequency Range	30-512 MHz	
Radio Charging Pocket	A-305 only (12.6 V Lithium Ion battery)	
RF Input	3-8 watts (5 watts nominal)	
RF Output (FM)	50 watts	
RF Output (AM)	50 watts PEP 110-512 MHz	
RX Path Insertion Loss	<1.5 dB	
RX Path VSWR	<2:1	
Bypass Path Insertion Loss	<1.5 dB	
AM Distortion	<15% 110-512 MHz	
MTBF	15,000 hours	
DC Power	10-36 VDC	
DC Input Power - Transmit	420 watts (max.)	
DC Input Power - Receive	20 watts	
RF Connector RAD/ANT	TNC/BNC (female)	
Operating Temperature	-40° to +60° C	
Duty Cycle	33% @ 60° C = 50 watts	
Weather-Resistant	Yes	
Finish	Black, Anodized	

### Indicators:

Power ON/OFF	•
Power Level Switch	•
Transmit Active	•
VSWR Fault	•
Over Current fault	•
RF Input Overload	•
Low RF Output	•
Over Temperature	•



With AMTI's exceptional harmonic filtering and auto-sensing technology, you will not inadvertently jam other friendly nets.