

A-305 and A-350

Multiband Amplifier, Vehicular, 50 Watt, 30-512 MHz

RF Amplifiers

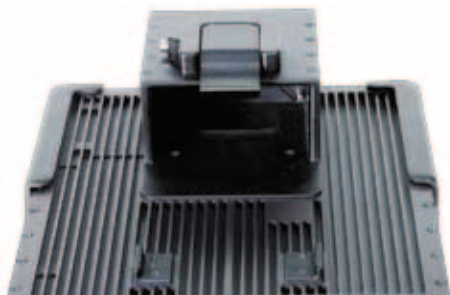


Features

- Combat proven
- Radio-agnostic
- SATCOM compatible
- True HAVEQUICK and SINGARS compatibility
- MIL-STD-810F and MIL-STD-461E compliant
- Compatible with AN/PRC-152 MBITR and Harris Falcon® Series radios
- Weighs less than 4.6 kg
- Sealed, watertight and weather resistant
- Includes easy-to-install shock and vibration mounting tray
- Fault/Status monitoring
- Accepts standard MBITR cables
- Three year warranty



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



Overview

The A-305 and A-350 have been designed to be the most consistent, high performance, fixed base or vehicle mounted 50 W amplifiers available in the 30 - 512 MHz frequency range.

Radio manufacturer independent means that the A-305 works with the AN/PRC MBITR as well as the Harris Falcon® Series and most 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 4.6 kg.

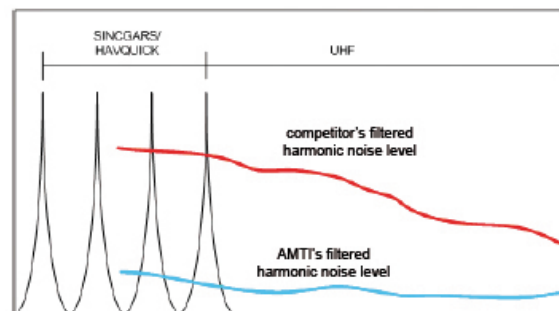
Both units are true HAVEQUICK and SINGARS compatible with exceptional harmonic filtering and auto-sensing frequency hopping technology. As a result the A-305 and A-350 do not inadvertently jam or desensitize other communication nets operating in the same area.

Technical Specifications

	A-305	A-350		
Size	Height	257.05 mm	Height	257.05 mm
	Width	171.45 mm	Width	171.45 mm
	Depth	114.30 mm	Depth	70.60 mm
Weight (with cage assembly)	< 4.6 kg		< 4.6 kg	
Frequency Range	30 - 512 MHz		30 - 512 MHz	
Radio Charging Pocket	<ul style="list-style-type: none"> 12.6 V Lithium-Ion Battery 			
RF Input	3 - 8 W (5 W nominal)		3 - 8 W (5 W nominal)	
RF Output (FM)	50 W		50 W	
RF Output (AM)	50 W PEP 110 - 512 MHz		50 W PEP 110 - 512 MHz	
RX Path Insertion Loss	< 1.5 dB		< 1.5 dB	
RX Path VSWR	< 2:1		< 2:1	
Bypass Path Insertion Loss	< 1.5 dB		< 1.5 dB	
AM Distortion	< 15% 110 - 512 MHz		< 15% 110 - 512 MHz	
MTBF	15,000 hours		15,000 hours	
DC Power	10 - 36 V DC		10 - 36 V DC	
DC Input	Transmit	420 W (maximum)	Transmit	420 W (maximum)
	Receive	20 W	Receive	20 W
RF Connector RAD/ANT	TNC/BNC female		TNC/BNC female	
Operating Temperature	- 40°C to + 60°C		- 40°C to + 60°C	
Duty Cycle	33% @ 60°C = 50 W		33% @ 60°C = 50 W	
Weather Resistant	Yes		Yes	
Finish	Black, Anodised		Black, Anodised	

Indicators

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



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

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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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