

A-3075 and A-3575

Multiband Amplifier, Vehicular, 50/75 Watt, 30-512 MHz

RF Amplifiers

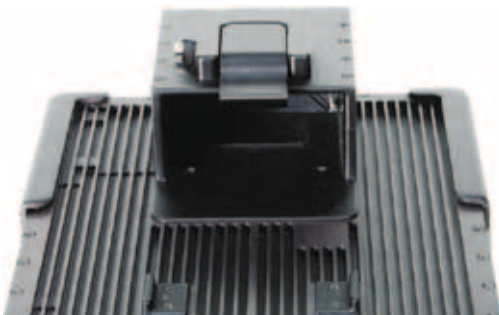


Features

- True HAVEQUICK and SINCGARS compatibility
- A-3575 JITC compliant
- Supports DAMA and other JTRS waveforms
- Multilevel power control for 12, 25 and 50/75 Watts
- 75 watts for UHF 220 - 324 MHz and SATCOM uplink
- Weighs less than 5 kg
- Sealed, watertight and weather resistant
- Fault/Status monitoring
- Radio manufacturer independent
- Three year warranty



The only difference between the A-3075 and the A-3575 is the inclusion of a charging pocket for the MBITR radio.



Overview

The A-3575 and A-3075 provide the same trademark power and performance associated with all our 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. Like all AMTI amps, it is 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 technology. As a result, the A-3575 and A-3075 will not inadvertently jam or desensitize other communication nets operating in the same area. The amp supports Demand Assigned Multiple Access (DAMA) and other JTRS waveforms. The units are MIL-STD 461E and MIL-STD 810F compliant.

Applications

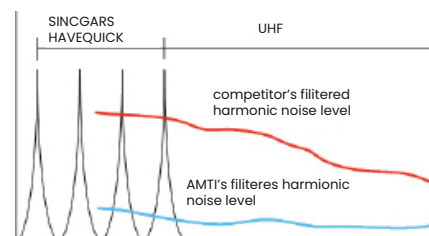
The A-3575 and A-3075 amplifiers are suitable for a variety of applications. They are easy to configure and easier to use. With local and remote output power control as well as fault/status monitoring, they are ideal for ground, vehicle, maritime and fixed/rotary wing installations. Each unit comes with an easy to install 'shock and vibration' isolating mounting tray and fused power cable. The amps weigh less than 5 kg.

Technical Specifications

	A-3075 (with cage assembly)	A-3575		
Size	Height	289.3 mm	Height	257.0 mm
	Width	177.8 mm	Width	171.5 mm
	Depth	120.9 mm	Depth	70.6 mm
Weight (with cage assembly)	< 5 kg		< 5.2 kg	
Frequency Range	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)			
RF Output (FM)	12 and 25 W:	30 - 512 MHz	50 W:	30 - 219 MHz and 325 - 512 MHz
	75 W:	220 - 324 MHz		
RF Output (AM)	12, 25 and 50 W PEP 110 - 512 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			
Remote Control	RS-232 for power level control and remote status indicator			
MTBF	15,000 hours			
DC Power	10 - 36 V DC			
DC Input	Transmit	420 W (maximum)	Receive	20 W
RF Input Connector	TNC			
RF Output Connector	BNC (female)			
Operating Temperature	- 40°C to + 60°C			
Duty Cycle	33% @ 60°C = 50 W			
Weather Resistant	IP-65			
Finish	Black, Anodised			
MIL-STD-461E	Certified			
MIL-STD-810F	Certified			

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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