

A-320V3A

Multiband Amplifier, Dismounted , 20 Watt, 30-512 MHz

RF Amplifiers



NSN: 5996-01-560-2777



The amp has been designed specifically to meet the needs of the warfighter. Weighing just 680 grams, the A-320V3A delivers heavyweight performance and the reliability needed for combat operations. The A-320V3A features self-diagnostics with dimmable system indicators to monitor power and performance status. This solution is radio-agnostic and compatible with most 30-512 MHz military radios. The A-320V3A is SRW, EPIXS, HAVEQUICK and SINCGARS compatible, and DAMA ready.

With over 10,000 units deployed in the past decade - the combat-proven A-320V3A has become a favourite of operators in the field.

Technical Specifications

Size	Height	38.1 mm
	Width	95.3 mm
	Depth	139.7 mm
Weight	680 grams	
Frequency Range	30 - 512 MHz	
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	< 0.5 dB	
Power	18 - 36 V DC	
Power at Transmit	~ 65 W	
Power at Receive	< 3.0 W	
RF Connector RAD/ANT	BNC/TNC female	
Operating Temperature	- 40°C to + 60°C	
Weather Resistant	MIL-STD-810F submersible 1 m for 30 minutes	
EMI	MIL-STD-461E	
Finish	Green, anodised	

Features

- 20-watts / 30-512 MHz
- Single battery operation
- 680 grams
- Combat-proven - over 10,000 units fielded

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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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