

A-320V3A-KT

Multiband Amplifier, Dismounted, 20 Watt, 30-512 MHz, Kit
RF Amplifiers



Overview

The A-320V3A-KT represents the continued development of Ultralife's combat-proven A-320KT amplifier kit.

The kit includes the A-320V3A amplifier, 90-512 MHz multiband antenna, 30-108 MHz antenna, antenna mount, amplifier holster with MOLLE vest adaptor, RF cables and power cable. The amplifier itself weighs a mere 680 grams, and the entire kit weighs less than 1.4 kg.

The A-320V3A-KT supports the latest TDMA waveforms including Soldier Radio Waveform (SRW) and Enhanced Position & Location Reporting System (EPLRS). The amplifier maintains support for legacy communications modes including HAVEQUICK, SINGGARS, and DAMA.



Features

- 30-512 MHz
- Supports new waveforms:
 - SRW (Soldier Radio Waveform)
 - EPLRS (Enhanced Position & Location Reporting System)
- AM operation

Technical Specifications

Size	Height: 3.81 cm Width: 9.53 cm Depth: 13.97 cm
Weight	680 g
Frequency Range	30-512 MHz
Input / Output Impedance	50 Ω
RF Input	5 Watts (Nominal)
RF Output - FM	20 Watts
RF Output - AM	20 Watts PEP / 110-512 MHz
RX Path Insertion Loss	< 0.5 dB
RX Path VSWR	< 2:1
Bypass Path Insertion Loss	< 1 dB
Power	18-36 VDC
Power @ Transmit	~ 65 Watts
Power @ Receive	< 3.0 Watts
RF Connector RAD/ANT	BNC/TNC female
Operating Temperature	- 40°C to + 60°C
Weather Resistant	MIL-STD-810F submersible 1 metre for 30 minutes
EMI	MIL-STD-461E
Finish	Green, anodised

Indicators

Power ON / OFF	•
Power Set	7, 10, 15, 20 W
TX Active	•
RX Active	•
VSWR Fault	•
FM	•
AM	•
SYS/CUR	•
Battery	•
Over Temperature	•



Complete A-320V3A-KT kit with amplifier, amplifier holster, antennas, antenna mount and associated cables.

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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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