

## Specification Sheet

*micom3T*

**Trunk Mount  
125 Watt HF-SSB  
Transceiver 1.6-30 MHz**

The mobatMicom3T HF radio transceiver provides a high level of reliability for long-range wireless communications of voice, fax, e-mail and data. The micom3T radio is primarily used as a mobile unit, with its trunk-mount configuration maximizing operation convenience while saving valuable cabin space.

With one of the most advanced technologies and the latest features, the micom3T provides superb radio communication dependability and functionality and is priced to meet the needs of a wide range of organizations. An upgraded version of the micom2ET model – successfully used by thousands of organizations worldwide – the micom3T complies with the world's strictest standards for radio communication equipment, including MIL-STD-810, ALE per MIL-STD-188-141B and FED-STD-1045.



### **BENEFITS AND FEATURES**

#### **ESTABLISHING A RADIO LINK IS ALWAYS FAST AND SIMPLE**

- **Automatic Link Establishment per MIL-STD-1045 & MIL-STD-188-141B standards.**
- **ISB-ready (Independent Side Band).**
- Full interoperability with other manufacturers' radios complying with the same ALE standards.

#### **VOICE THAT'S LOUD & CLEAR**

- Built-in voice quality system utilizes proprietary algorithms to filter out background noises, giving users exceptional communications clarity.
- Selectable bandwidth allows fine tuning for optimal voice and data communications.
- Voice-activated digital squelch.

#### **USER-FRIENDLINESS**

- New control head features a large LCD, full-dot matrix digital display and an enhanced keyboard for programming and set-up. Radio operation can also be performed using a PC and programming application as well as a USB keyboard.
- Multiple language display available.
- Remote control allows the transceiver to be operated from a distance of up to 100 feet using the extended Control configuration.

#### **YEARS OF TROUBLE-FREE, MOST ADVANCED COMMUNICATIONS**

- Upgrading to future technologies is easily done by installing new software into the transceiver's DSP unit.
- Easily replaceable digital components help ensure cost-effective maintenance.
- Very high MTBF, as with all Micom radios.
- Unique Built-in self Test system provides exceptional dependability.

#### **COMPREHENSIVE COMMUNICATION AND NETWORKING SERVICES**

- Office-quality communications services integrating fax, e-mail and data transmission and reception.
- **MultiNet** enabling integration of different HF radio networks into one seamless network, allowing excellent coordination between different operational nets.
- AMD (Automatic Message Display) for free and pre-set text messages.
- **GPS** embedded application (optional).
- Multiport and additional front panel communication ports.
- Secure voice and data.

### A PROVEN FAMILY OF RADIO PRODUCTS

- The micom3T is a member of the Micom transceiver family – fixed and mobile stations – covering the long-range wireless communication needs of thousands of organizations world-wide.

### MAJOR ACCESSORIES:

- Automatic telephone interconnect
- FM to HF repeater
- ATUs
- Antenna systems
- HF Modems
- Secure voice and data
- AC power supply

## SPECIFICATIONS

<b>Model</b>	M91AMN0KV5-K	
<b>Frequency Range</b>	1.6-30 MHz	
<b>Number of Channels</b>	200	
<b>Transmission</b>	125 Watt PEP average	
<b>Reception</b>	100 kHz-30 MHz Rx	
<b>Operating Voltage</b>	13.8 V $\pm$ 20%; 24 V operation (option)	
<b>Bandwidth</b>		
<b>Audio</b>	350 to 2700 Hz	
<b>Data</b>	300 to 3300 Hz	
<b>Frequency Stability</b>	0.6 PPM (0.1 PPM optional)	
<b>Frequency Resolution</b>	10 Hz	
<b>Operating Temperature Range</b>	-30°C to +60°C / -22°F to +140°F	
<b>Humidity</b>	95% @ 50°C / 122°F	
<b>Sensitivity (SINAD)</b>	SSB: 0.3 $\mu$ V for 10 dB SINAD	
<b>Dimensions</b>	<b>Control Head</b>	
<b>Height</b>	92 mm / 3.7 inches	60 mm / 2.36 inches
<b>Width</b>	302 mm / 11.9 inches	187 mm / 7.36 inches
<b>Depth</b>	270 mm / 10.7 inches	70 mm / 2.75 inches
<b>Weight</b>	5.7 Kg / 12.5 lbs	0.32 Kg / 0.71 lbs

## OPTIONS

PC control and programming software package

USB for external keyboard

micomLink interface

ALE DTM/DBM

Interface for secure voice device VP116



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