

Specification Sheet

micom3F

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



The micom3F is a 125 Watt HF transceiver providing a high level of reliability for long-range wireless communications of voice, fax, e-mail and data. The front-panel micom3F radio serves as a fixed or mobile unit.

With one of the most advanced technologies and the latest features, the micom3F 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 micom2E – successfully used by thousands of organizations worldwide – the micom3F 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 configuration allows the transceiver to be operated from a remote location using optional 2 wire remote control head.

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).
- Accessory port for multiple point-to-point communications.
- Secure voice and data.

A PROVEN FAMILY OF RADIO PRODUCTS

- The micom3F 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

Model	M90AMN0KV5-K
Frequency Range	1.6-30 MHz
Number of Channels	200
Transmission	125 Watt PEP average
Reception	100 kHz-30 MHz Rx
Operating Voltage	13.8 V \pm 20%; 24 V operation (option)
Bandwidth	
Audio	350 to 2700 Hz
Data	300 to 3300 Hz
Frequency Stability	0.6 PPM (0.1 PPM optional)
Frequency Resolution	10 Hz
Operating Temperature Range	-30°C to +60°C / -22°F to +140°F
Humidity	95% @ 50°C / 122°F
Sensitivity (SINAD)	SSB: 0.3 μ V for 10 dB SINAD
Dimensions	
Height	92 mm / 3.7 inches
Width	302 mm / 11.9 inches
Depth	270 mm / 10.7 inches
Weight	5.7 Kg / 12.5 lbs

OPTIONS

PC control and programming software package

USB for external keyboard

micomLink interface

ALE DTM/DBM

2 wire remote control head

Interface for secure voice device VP116



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