355.50

# MTF-102A MICROWAVE TUNER FRAME



#### **FEATURES**

The MTF-102A Microwave Tuning Frame is designed to mount one of the TH-Series Microwave Tuning Heads which cover the frequency range of 1 to 18 GHz. The tuner frame provides required power for tuning head operation and a frequency translator for converting the 160 MHz IF output to an IF of 21.4 MHz. Both the 160 MHz and 21.4 MHz IF outputs are available on rear panel BNC connectors. Signal monitor outputs are also available for interface with the SM-1622 Signal Monitor (160 MHz) and SM-9804A Signal Monitor (21.4 MHz).

The MTF-102A IF outputs are compatible with demodu-

lators such as the Watkins-Johnson DM-4( ) for a 21.4 MHz input and the DM-112, DM-212A, and DM-235 for a 160 MHz input. These demodulators provide a wide range of detection modes and IF bandwidths.

The MTF-102A also contains an AFC amplifier which enables an external demodulator to control the tuner AFC function. The main tuning control and frequency readout are integral parts of the TH-Series Tuning Head. The unit is designed to mount in a standard 19-inch equipment rack and occupies 3.5 inches of vertical space.

### **SPECIFICATIONS**

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For Further Information Please Contact:

#### WATKINS-JOHNSON COMPANY

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Specifications subject to change without notice.

# Courtesy of http://BlackRadios.terryo.org

AFC Input Range	±2 Vdc, nominal; (jumpers selected for positive or negative
AGC Input Range	inputs) +1 Vdc to +10 Vdc or -12 Vdc to 0 Vdc for strong-to-
	weak signal conditions
Operating Temperature Range*	0° to 50°C
Input Power	115/220 Vac ±10%, 50-400 Hz
Power Consumption	22 watts, approximately (with tuning head installed)
Dimensions	3.5 inches high, 19 inches wide, and 16 inches deep
Weight	26 lbs. approximately, with tuning head installed

<sup>\*</sup>Operation within published specification guaranteed at 25°C ±5°C.