

Agile FM Stereo Modulator

ZFMSM Series



○ Features & Benefits

- Rack Mountable - 1 EIA (1.75") Rack Space
- High Performance FM Audio Modulator
- Superior Signal to Noise and Audio Separation Performance
- Switchable Mono or Stereo Capability
- Front Panel Level Controls, Rear AC Convenience Outlet
- Rack Mountable - 1 EIA (1.75") Rack Space

Headend

The ZFMSM is a low cost, professional quality, agile FM stereo modulator. The unit accepts either monaural or stereo (left & right) inputs and modulates the input to any standard FM channel assignment in the frequency range of 88-108 MHz. Frequency selection is via a front panel up/down switch with a digital display. The ZFMSM modulator retains the frequency setting in the even of power interruption. The modulator can be used in a stand alone configuration or in conjunction with the ZSCA-FM wide band (88-108 MHz) amplifier. An output test port allows for easy setup and testing without disrupting service. All controls and test ports are located on the front panel for ease of operation.

○ Specifications

RF

- Frequency Range: 88-108 MHz
- Frequency Step: 200 KHz
- Output Level - Typical: +35 dBmV
- Output Level Adjust: 10 dB
- Frequency Stability: ± 10 KHz
- Audio Input Level
 - Min: 0.2 Vp-p
 - Max: 2.0 Vp-p
- Audio Frequency Range: 30 Hz to 15 kHz
- Audio S/N Ratio: >60 dB
- Audio Separation: >30 dB

General

- Power Requirements
 - Voltage: 120, $\pm 10\%$ VAC
 - Frequency: 60 Hz
 - Power: 10 W
- Temperature Range: 0 to +50 °C

Mechanical

- Dimensions (W x H x D):
 - 19.0 x 1.75 x 3.01 in.
 - 483 x 44 x 121 mm
- Weight: 4 lbs., 1.82 kg

Connectors

- Audio Input: L/R "F" Female
- RF Output: "F" Female
- Test Port: "F" Female

Controls

- Frequency Setting: Up/Down Control
- Aural Modulation Adj.: Control
- RF Output Level: Control

Indicators

- Power On: LED, Green
- Frequency Display: 4 Digit LED Screen

○ Ordering Information

Model	Stock No.	Description
ZFMSM	5872	Agile FM Stereo Modulator Agile Low Noise 88-108 MHz Modulator