



High Bandwidth Agile Modulator

Product Specifications

Description

The Multicom MUL-AMOD860-WS is a commercial-grade, SAW filtered, frequency agile analog modulator that offers the same high quality as fixed analog modulators but with the freedom and flexibility of changing the output channel from CH 2 through 135. It provides system operators the engineering ease and flexibility required with new headend deployments, upgrades, and system maintenance.

The modulator is used to convert a single AV input from any of a variety of sources into an RF output. The Multicom MUL-AMOD860-WS is flexible, user friendly, and is easy to use for both Residential and Commercial applications. The engineers behind the technology of this Modulator made sure that the design will perform with long term stable operation, reliability, and high quality video output. The Modulator can be used for A/V sources such as Satellite Receivers, Off-Air Antenna Signals, DVD players, Digital Signage Media Players, Security Cameras, computers, and more.



Key Features

- SAW filtered for accurate side band response and high adjacent rejection
- 60dBmV RF output level, typical
- 2 Phase lock loop synthesized frequency control
- Meets FCC Offset and Accuracy Requirement
- Non-volatile memory maintains channel selection in event of power loss
- Three-digit green LED display and controls for convenient monitoring and operation
- Switching power supply for installation flexibility and precise voltage regulation
- The MUL-AMOD860-WS is designed to fit in a standard 19" rack

| | Parameter | Specification |
|--------------------------|-------------------------------|--|
| Audio/Video Input | Video Connector | F Connector |
| | Video Input Level | 1.0 Vp-p (0-90% Modulation) |
| | Video Frequency Response | ± 2dB |
| | Audio Connector | F Connector |
| | Audio Input Level | 1.0 Vp-p (±30KHz Peak Deviation) |
| | Audio Inter-carrier Stability | NTSC: 4.5MHz ±5KHz above Video Carrier |
| | Audio Frequency Response | ± 1dB |
| RF Output (NTSC) | Connector | F Connector |
| | Frequency Range | 47 – 860 MHz (Select Ch2 to Ch135) |
| | Output Level | 60dBmV Typical (adjustable) |
| | Test Point | -20dB (±3dB) |
| | A / V Ratio | 15 or 20dB (±2dB, adjustable) |
| | Frequency Stability | ± 5KHz |
| | Impedance | 75 Ohms |
| | Spurious Harmonics | 60dB Typical |
| | C/N In Channel | 63dB |
| | C/N Out of Channel | 75dB |
| General | Power Supply | 90 ~ 260 VAC, 50/60Hz |
| | Power Consumption | 10 Watts |
| | Operating Temperature | 32 ~ 122°F (0 ~ 50°C) |
| | Storage Temperature | -4 ~ 158°F (-20 ~ 70°C) |
| | Humidity | <95% |
| | Dimensions | 19" x 2.25" x 1.75" (48.3 x 5.7 x 4.4cm) |
| | Weight | 3.5lbs (1.6 Kgs) |

MUL-AMOD860-WS

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