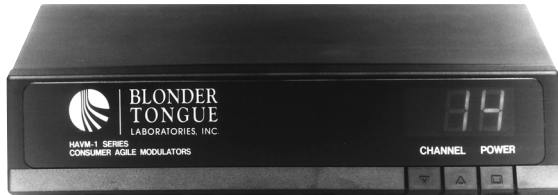


HAVM Series

Professional Agile Modulators



○ Features & Benefits

- +28 dBmV Output Level (Combined)
- Agile Channel Via Front Panel Controls and LED Display
- CATV or UHF Channel Map Selection Via Rear Panel Switch
- Non-Volatile Memory Retains Channel Information after Power Interruptions

The HAVM Series includes consumer quality, double side band agile modulators, designed for use in multi-room video distribution systems to provide additional video sources, such as security cameras, laser disks, etc. Four models are available, including 1 or 2 channels and 300 to 550 MHz or 470 to 806 MHz frequency coverage. The HAVM Series has a rear panel switch for selecting either CATV (Hyperband) or UHF (Broadcast) channels, depending on the desired application. These economically priced modulators provide very good picture quality for non-adjacent channel use. Agile channel selection makes setup fast and easy. Non-volatile memory ensures last channel recall even after a power outage. The HAVM Series products are housed in a standard cable converter style case with a rugged plastic front panel. LED display(s) and channel up/down buttons permit easy selection of the desired channel(s).

○ Specifications

RF

Frequency Range

HAVM-1HA & HAVM-2HA - CATV: 300-550 MHz
HAVM-1HA & HAVM-2HA - UHF: 470-550 MHz
HAVM-1UA & HAVM-2UA - CATV: 550-800 MHz
HAVM-1UA & HAVM-2UA - UHF: 470-806 MHz

Output Level: +28 dBmV

Visual Carrier Frequency Tolerance: ± 25 kHz

Aural Carrier Frequency

Offset from Visual Carrier: +4.5 MHz

Spurious Outputs - Minimum: -50 dBc

Channel Memory: Non-Volatile

Output Impedance: 75 ohm

Output Return Loss: 12 dB

Video

Input Level: 1.0 Vp-p

Frequency Response fv-0.5 MHz to fv+4.2 MHz:
 ± 2 dB

P-P Video to RMS Hum Ratio: 60 dB

Video Signal-to-Noise Ratio, Weighted: 55 dB

Input Impedance: 75 ohm

Audio

Input Level: 1.0 (b) Vp-p

Frequency Range: 50 Hz to 15 kHz

Frequency Response: ± 2.0 dB

Input Impedance: 600, unbalanced ohm

Sub-Carrier Audio

Frequency (MHz): 4.5 MHz

Stability (kHz): ± 10 (d) kHz

General

Power Requirements

Voltage: 117, $\pm 10\%$ VAC

Frequency: 60 Hz

Power: 6 / 10 W

Temperature Range: 0 to +50 °C

Mechanical

Dimensions (LxWxD):

8.00x2.00x5.75 in

203x51x146 mm

Weight: 2.25 lbs., 1.02 kg

Connectors (Rear Panel)

Video Input(s): RCA Phono, Female

Audio Input(s): RCA Phono, Female

RF Output: "F" Type, Female

Controls (Front Panel)

Power ON/OFF: Push Button

Channel UP/DOWN: Push Button

Controls (Rear Panel)

Hyper/UHF Select: Slide Switch

Indicators (Front Panel)

Power ON: LED

Channel(s) HAVM-1HA & HAVM-1UA:
1-3 Digit, 7

Segment LED HAVM-2HA & HAVM-2UA:
2-3 Digit, 7 Segment LED

○ Ordering Information

Model	Stock No.	Description
HAVM-1HA	5988HA	Professional Agile Modulator +30dBmV, 300-550MHz, 1 Channel
HAVM-1UA	5988UA	Professional Agile Modulator +30dBmV, 470-806MHz, 1 Channel
HAVM-2HA	5989HA	Professional Agile Modulator +30dBmV, 300-550MHz, 2 Channels
HAVM-2UA	5989UA	Professional Agile Modulator +30dBmV, 470-806MHz, 2 Channels

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