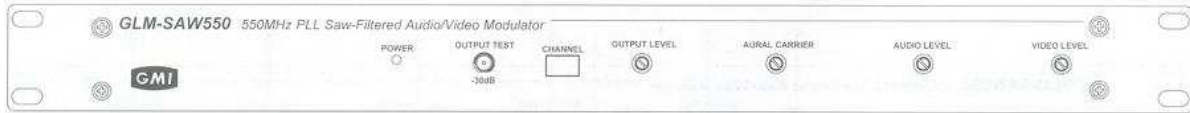


COMMERCIAL MODULATOR

MODEL: GLM-SAW550



Features

- SAW filtered for superior adjacent channel performance
- phase locked loop for solid drift-free output
- 54 to 550 MHz bandwidth
- Full +55 dBmV output
- Field tunable with field strength meter
- Carrier to noise ratio >65dB
- Front panel -30dB test point
- Rear panel AC convenience outlet
- Factory aligned to FCC Docket 21006 for frequency offsets and stability

Description

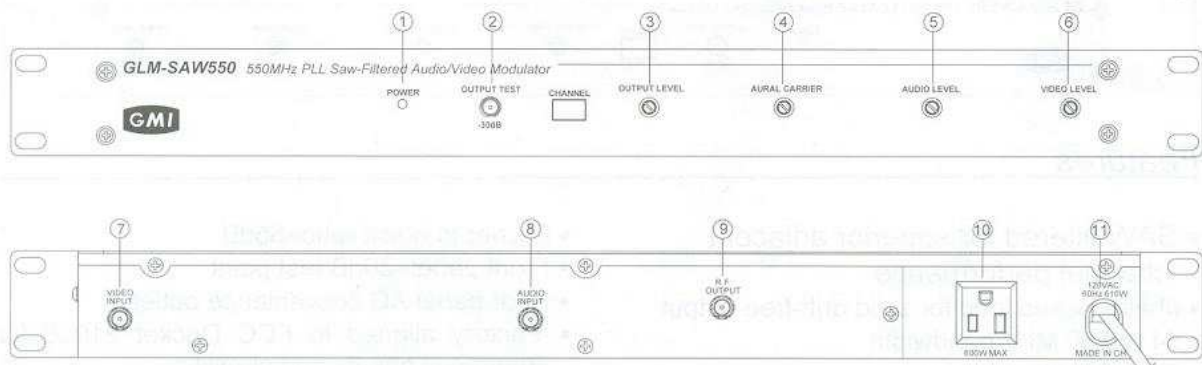
The GLM-SAW550 modulator features SAW filtering and a phase locked loop for superior performance usually found only in higher priced modulators. The improved low cost modulator maintains a full 55dBmV output on any single channel within the bandwidth from

54 to 550MHz. Modulated channels may be inserted on any unused channel within a closed circuit MATV or SMATV system. High quality external modulation and RF level controls assure years of reliable operation.

Specifications

RF		Audio	
Channels:	2 VHF through 78 UHF, FCC Docket 21006 offsets, Factory Set HRC & IRC offsets available	Baseband Input Impedance:	600 ohms unbalanced
Bandwidth:	54 - 860 MHz	Baseband Input Level:	0.5V p-p for ± 25 KHz deviation
Output Level:	45 to 58 dBmV, adjustable from front panel	Pre-Emphasis:	75 microsecond
Output Impedance:	75 ohm	Flatness:	1.5 dB max (50 Hz to 15 KHz)
Audio/Video Ratio:	Adjustable -7 to -18 dB below visual carrier	General	
Frequency Stability:	± 10 KHz, ± 5 KHz in aeronautical band. Conforms to FCC Docket 21006	Power Input:	108 to 125 Vac, 60 Hz
Spurious Output:	60 dB below video carrier with A/V ratio @ -15dB	Operating Temperature:	-10°C to +50°C
Video		Dimensions:	19"L x 3.5"D x 1.75"H
Input Level:	1.0V p-p min. For 87.5% modulation	Weight:	3.75 pounds
Input Type:	Composite video negative sync	Connectors:	"F" type

Front and Rear Panels



1. Power On Indicator:

The LED indicates unit is operating.

2. Test Point:

The -30 dB RF output test point is used to set the RF output level and monitor channel performance.

3. RF Output Level:

This rugged PC Board mounted control sets the RF output level.

4. Aural Level:

This potentiometer control the level of the audio RF carrier.

5. Audio Modulation Adjust:

The heavy duty PC mounted control is used to set the audio modulation level.

6. Video Modulation Adjust:

The PC Board mounted control is used to set the video modulation level.

7. Video In:

The PC Board mounted "F" connector accepts the negative sync video information from a satellite receiver or VCR.

8. Audio In:

The audio from the satellite receiver or VCR is connected to this PC Board mounted F connector.

9. RF Out:

The modulated output signal is available on this PC Board mounted "F" connector.

10. Convenience Outlet:

Allows looping of power between units.

11. Power Cord:

The three prong type power plug connects to a 120 VAC, 60 Hz electrical output.