

LazerLine!TM**860 AGILE MODULATOR**

Agile Modulator

Features

- Advanced Technique and newest circuit design
- Output Frequency Adjustable between 47MHz ~870MHz
- Dot matrix LED display
- IF Modulate Assure Superiority Capability
- PLL Technique is applied to Audio IF, Video IF and Local Oscillator to ensure High frequency Stability
- Clamp Circuit with High Anti-hum Performance
- Single SAW Filter
- NTSC channel modulator
- Single IF Loop
- Test reports supplied with the unit
- Packaging for Air Freight or Ocean included

Specifications RF

- Output Frequency: 47 ~ 870MHz
- Frequency accuracy: ± 5 KHz
- Output Level: 115dB μ V
- Output Level Control Range: 0~-20dB
- RF output level 58db
- Output Impedance: 75 Ω
- Side-Band Suppression: ~60dB
- Spurious Output Suppression: ~65dB
- Output Reflection: 12dB min (any channel)
- Audio to Video Carrier Ratio: -10~-20dB

Video

- Input level: 0.7~1.4Vp-p
- Output Impedance: 75 Ω
- Output Reflection: 30dB min
- K coefficient: 4%(2T pulse)
- C/L Delay: 40nsec
- Differential Gain: $\pm 4%$ (87.5% modulation)
- Differential Phase: $\pm 4^\circ$ (87.5% modulation)
- Frequency Response: ± 1 dB
- Video S/N: ≥ 50 dB

Audio

- Input Impedance: 10K Ω min
- Frequency Response: ± 1.5 (40Hz~15KHz)
- Distortion: 1%
- Signal to Noise Ratio: -58dB
- Difference of Video/Audio
 - 6.5MHz ± 2 KHz(D/K)
 - 4.5MHz ± 2 KHz(M/N)
 - 5.5MHz ± 2 KHz(B/G)



Mechanical

- Dimensions (W x H x D): 440x44x268mm

Connectors (Rear Panel)

- Video Input: RCA Phono, Female
- Audio Input: RCA Phono, Female
- IF Input: "F" Type, Female
- IF Output: "F" Type, Female
- RF Output: "F" Type, Female

Controls (Front Panel)

- Channel Selection Up/Down: Push Button
- RF/AV / Video/Audio ADJ: Control
- Channel Display: Dot matrix LED
- RF Test: "F" Type, Female

Indicator (Front Panel)

- Power ON: LED, RED

General

- Power Requirements
- Voltage: 120VAC/60Hz/15W
- Operation Temperature: 0~45 $^\circ$