



Agile Modulator

Trivia MA100 - Agile Modulator



Specifications:

RF:

- **Frequency Range** 45.00MHz to 870.00MHz(appointed by user)
- **Frequency Stability** 5 KHz
- **Frequency stepping** 250kHz
- **Output Level** 108 dB μ V max
- **Level Adjustment range** ≥ 20 dB (1~32 Levels Adjustable)
- **Output Impedance** 75 Ω
- **Spurious Output** -60 dB
- **Output Return Loss** 14 dB
- **Spurious output** -60dB
- **C/N in band** 65 dB(min 62dB)
- **Adjacent Channel** 65dB(min 65dB)
- **Out-of-Band** 60 dB(min 62dB)

General:

- **Power** 220V.AC/50 Hz
- **Dimension** 19"(W) \times 12.6"(D) \times 1.75"(H)
- **Operation Temperature** -10 $^{\circ}$ C~+40 $^{\circ}$ C
- **Weight** About 3.5KG



Video:

- **Standard Video Input Level** 1.0V p-p
- **Video Input Impedance** 75 Ω
- **Video S/N** 50 dB
- **Video Response** 1.5dB
- **Differential Gain** 2.5%
- **Differential Phase** 2.5 $^{\circ}$
- **Chrominance Luminance Delay** 40nS
- **Video clamping** 25dB
- **Video Modulation Level** 87.5%
- **Modulation Level** 87.5% (1~32 adjustable levels)

Audio:

- **Input Level Range** +5 to +25dBmV
- **Input Impedance** > 10 K Ω
- **Frequency Response** 1.5 dB
- **Audio S/N** 52 dB
- **Audio Distortion** 0.4%
- **Audio Frequency** 6.50,6.00,5.50,4.50MHz
Optional
- **Maximal Audio Frequency Deviation** 50KHz
- **Pre-emphasis** 50 μ s
- **Audio Modulation Deviation**
1~32 Level Adjustable