

TMM45-* Mini Saw Filtered Modulator

The TMM45-* is a SAW Filtered single channel modulator.

It takes a standard composite video input with mono audio and modulates it onto a standard NTSC 6 MHz TV channel. Replace the * in the mode to identify the actual channel

The TMM45-* is a Mini Mod type device that fits in all of the various Mini Mod chassis like the Toner TMMRC-12 and is powered by the associated Power Supply like the TMMPS. The TMM45-* only uses one module space meaning the chassis can hold up to 12 units.



RF

Frequency Range:	NTSC 54 to 705 MHz
Output Level:	+45dBmV min
Output Level Range:	15 dB min continuously adjustable
A/V Ratio:	15 dB / 20 dB selectable (± 2 dB)
Frequency Stability:	± 5 KHz
Inter-carrier Frequency:	NTSC: 4.5 MHz ± 5 KHz
Spurious Outputs:	-60 dBc min, measured at 15 dB A/V ratio and with modulator output level +45 dBmV
C/N:	-60 dB min
Output Impedance:	75 Ohms
Connector:	F-Female

VIDEO

Input Level:	1.0 Vp-p, for 87.5% modulation, adjustable with front panel control
Input Impedance:	75 Ohms
Frequency Response:	± 1 dB
S/N:	60 dB typical
Connector:	RCA

AUDIO

Input Level for 25 KHz:	140 mV rms, adjustable with front panel control
Peak Deviation	
Input Impedance:	Greater than 10 K Ohms, unbalanced
Frequency Response:	± 1 dB (40 KHz to 15 KHz)
Pre-emphasis:	75 Micron Sec
Connector:	RCA