

MODEL



# DMM806

AGILE VIDEO DEMODULATOR



The Drake DMM806 Video Demodulator is a professional quality agile television demodulator that provides an audio and video output from any VHF, UHF, or CATV channels (54 - 806 MHz). The standard single rack-unit design permits convenient pairing with a Drake Professional Video Modulator to perform off-air or CATV channel processing.

## Features

- Low cost NTSC demodulator
- Synthesized reception of off-air TV channels 2 through 69, and CATV channels 2 through 125; selection set by a front panel pushwheel switch.
- Fixed 1.0 Vp-p NTSC standard negative sync video output, adjustable audio output level.
- Defeatable de-emphasis for passing stereo and SAP signals to a Drake modulator.
- Wide range AGC.
- Low distortion synchronous detection.

## DMM806 Technical Specifications

RF	
Input Frequency Range:	54 through 806 MHz, Off-Air channels 2 through 69, CATV channels 2 through 125.
Input Level:	-10 to +35 dBmV
Noise Figure:	VHF: 8 dB UHF: 10 dB
Image Rejection:	VHF: 65 dB UHF: 50 dB
Input Impedance:	75 Ohms
Video	
Output Level:	1.0 Vp-p nominal, NTSC standard negative sync
Output Impedance:	75 Ohms
Differential Gain:	Less than 5%
Differential Phase:	Less than 5 degrees
L/C Delay:	125 nanoseconds nominal
Audio	
Output Level:	300 mV rms $\pm$ 10 dB, adjustable with front panel control
Output Impedance:	Less than 500 Ohms, unbalanced
General	
DC Power Requirements:	+12 VDC @ 120 mA, +5 VDC @ 100 mA
Operating Temperature:	0° to 50° Celsius (32° to 122° Fahrenheit), ambient.
Dimensions:	3.5 inches (89 mm) Height x 1 inch (25 mm) Width x 7.5 inches (191 mm) Depth
Weight:	12 ounces (0.43 Kg.)