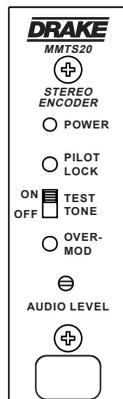
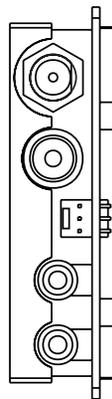


# MMTS20 Stereo Encoder



Front Panel



Rear Panel

## Specifications

### AUDIO INPUT

Input Impedance: 40 K Ohms balanced,  
20 K Ohms unbalanced.  
Input Level: 250 mVrms to 2.5 V, front panel adjustment.

### VIDEO INPUT

Input Impedance: High impedance, intended to be paralleled with paired  
A/V modulator unit.  
Input Level Range: Input Level Range: 0.5 Vp-p to 2 Vp-p.

### COMPOSITE OUTPUT

Output Impedance: 100 Ohms, intended to drive high impedance  
audio input of paired A/V modulator.  
Output Level: 10 mV/kHz,  $\pm 10\%$ .  
1.1 Vp-p for a 100% modulation signal.

### STEREO PERFORMANCE

Stereo Separation: Greater than 20 dB.  
Total Harmonic Distortion: Less than .25%.  
S/N Ratio: Greater than 65 dB.  
Frequency Response: Within  $\pm 1$  dB from 40 Hz to 12.5 kHz.  
Spurious Subcarrier: -50 dBc typical.

NOTE: System performance is dependant upon paired modulator.

### TEST TONE

Frequency: 10.396 kHz  $\pm 50$  Hz.  
Amplitude: 0.5 Vp-p  $\pm 10\%$ ; all output levels are calibrated to the  
level of this tone and is used to set system audio  
levels for proper stereo operation. The paired A/V  
modulator audio response must be set for "Flat"  
(pre-emphasis defeated).

### GENERAL

DC Power Input: +12 V  $\pm 5\%$  @ 150 mA  
(+5 V is not required for this unit).  
Operating Temperature Range: 0° C to +50° C ambient.  
Size: 1" W x 3.5" H x 7.5" D  
(2.5 cm) W x (8.9 cm) H x (19.1 cm) D.  
Weight: 10.7 oz. (0.3 Kg).

Specifications subject to change without notice or obligation.