



TTV1000EG AGILE

WORLDWIDE TELEVISION BROADCAST TRANSMITTER

FEATURES

- 1000 Watts VHF Output
- Frequency Agile, Bands I & III
- Internationally Agile NTSC, PAL, SECAM Standards M/N, B/G, D/K, L
- Separate Visual and Aural Amplification
- All Solid State Modular Construction
- Light Weight and Compact

With the EMCEE TTV100 Agile (EG) VHF Transmitter you can broadcast anywhere in the world. Change to any VHF channel in Band I or III and to any broadcast standard within seconds with a flip of a thumb wheel switch! EMCEE's dual conversion transmitter makes it possible. The compact size and weight of the unit makes it ideal for mobile use anywhere. Its all aluminum chassis resists the corrosive effects of the environment



Worldwide Agile



TTV1000EG Agile

Performance / Mechanical Characteristics

<u>VISUAL</u>		<u>AURAL</u>	
Output Power	1000 Watts Peak	Output Power	25 Watts \pm 1dB Average
Emission	5M75C3F	Emission	250KF3E
Color Transmission	NTSC, PAL, SECAM	Frequency Tolerance	4.5 MHz \pm 100 Hz Ref. Visual
Output Frequency	Band I 47 - 88 MHz Band III 174 - 230 MHz	Audio Distortion	1%
Frequency Stability	\pm 1 KHz	FM Noise	-55dB
Spurious Products	60 dB	AM Noise	-55dB
Intermodulation (IM3)	Inband -60dB Out of Band -45dB	Frequency Response	\pm 1dB
Differential Phase	\pm 5°	Pre-emphasis	50 / 75 μ s
Differential Gain	5%	Deviation	25 kHz Monaural
Envelope Delay	Per TV Standards \pm 50ns	<u>GENERAL / MECHANICAL</u> <u>CHARACTERISTICS</u>	
Frequency Response	\pm 1dB @ 4.0/5.0/6.0 MHz		
Sideband Attenuation	Per System Specification		
Output Power Stability	\pm 0.5 dB		
RF Regulation	3%		
Signal to Noise	-55 dB		
Hum and Noise	-50 dB		
K Factor (2T)	3%		
Luminance Non-linearity	5%		
Harmonic Output	-60 dB (w/low pass filter)		
Input Impedance	75 Ohm S0239	Ambient Temperature	0° C to 40° C
Output Impedance	50 Ohm/ "N" Connector	Maximum Relative Humidity	95%
		Dimension (without cabinet)	9" H x 19" W x 31" D
		Weight (without cabinet)	325 lbs.
		Power Requirements	208 / 220 VAC \pm 15% 50 /60 Hz
		Power Consumption	5 kW Average