



5WCTX

C Band 5 Watt Video Transmitter

Features

- Small Package
- Rugged and Reliable
- Weighs Less Than 250g
- High RF Power Output

Specifications

RF Characteristics

Frequency Range:	C-Band 4400.00 – 5000.00 MHz, 1MHz Channels
Frequency Selection:	Channelized, rotary switch selectable
Frequency Stability:	± 0.002% over -20°C to +50°C
Output Power:	5W
Output Impedance:	50 Ω nominal, VSWR 1.5:1 MAXIMUM

Video Characteristics

Modulation Type:	Analogue FM
Frequency Response:	4.5 MHz (NTSC)
Modulation Sensitivity:	± 4 MHz / 1 Vpk-pk @ crossover frequency
Input Impedance:	75 Ω nominal, unbalanced, shunted by 30 pF maximum
Distortion:	2% maximum
Incidental FM:	10 kHz maximum

No Audio Characteristics

Power Requirements

Input Voltage Range:	+9 to +16 VDC, reverse polarity protected
DC Input Current (Max):	1.6A

Mechanical

Material:	CNC machined nickel plated aluminium
Weight:	250g
Connectors:	RF output: SMA female
Video Input:	SSMA female (others available)
DC Supply, On/Off:	MDM-9p

Environmental

Temperature (operating):	-20°C to +50°C
Humidity:	Up to 95 % @ any temperature forming frost of condensation