

CōDR Series Digital Microwave Video and Audio Transmitter

Technical Specifications

Electrical:

- Model Number - Frequency Range
 - MIL-100P – 340 to 400 MHz
 - MIL-100L – 1.7 to 1.9 GHz
 - MIL-100S – 2.2 to 2.5 GHz
 - MIL-100C1 – 3.1 to 3.5 GHz
 - MIL-100C2 – 4.4 to 5.0 GHz
- Ferrite Isolator Output Protection
- VSWR – Infinite (open or short)
- Modulation – COFDM 2K
- Frequency Stability – $\pm 0.002\%$
- Spurious/Harmonic Output – > -65 dBc
- Occupied Bandwidth – 8 MHz
- Compression – MPEG-2 4:2:0
- Video Input Format – NTSC or PAL
- Video Input Impedance – 75Ω unbalanced
- Audio – Two Digital Channels
 - Linear Sampling
 - 200 Hz to 15 kHz ± 1.5 dB
 - 600 Ω Balanced Input
 - Microphone or Line Level
- Power Output
 - High Power – 200 mW nominal
 - Low Power – 10 mW nominal

Environmental:

- Operating temperature: -10 to $+65$ °C
- Relative Humidity: 0 to 95%, non-condensing

Mechanical:

- 25-pin full function I/O connector
- Dimensions – 2.65 H x 3.5 W x 4.8 L inches
- Video Input Connector – BNC female
- Housing – milled aluminum
- Weight – 1.7 lbs.
- RF Output Connector – SMA female

Power:

- Operating voltage: $+10$ to $+36$ Vdc
- Current: 1.5 A @ 12 Vdc

Options:

RF Power PMR HPA-10L Series power amplifier provides 1W output power for airborne applications.
Amplifier

Accessories:

Antennas: A complete line of antennas for a variety of applications is available.

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