

INTERPAGE Z-100 Transmitter



SPECIFICATIONS:

Frequency Range : VHF =146MHz - 170MHz, HF=450MHz -470MHz
Channel Spacing : 12.5K/25k Hz
RF Output Power : Hi : 5W/2W Lo : 1W/0.5W/0.1W, by tuning
Modulation Type : F3D, F3E
Intermediate Frequency : 45MHz & 450KHz
Number of Channels : 16 channels (4 dip switch selectable)
Frequency Source : Synthesized
Power Supply : DC 10V- 15V, 12 V typical
Temperature Range : 30 C - 60 C

Current Consumption
Standby : < 50mA
TX (5W) : < 2A
TX (1W) : < 1A

TRANSMITTER

Carrier Power
HI : 5W/2W +/- 0.5dB
LOW : 1W +/- 0.5dB
Frequency error : +/- 5 ppm @VHF, +/- 3ppm@UHF

Frequency Deviation

25 kHz Channel Spacing : 5 kHz - 3.8 kHz (Peak)
12.5 kHz Channel Spacing : 2.5 kHz - 1.8 kHz (Peak)
Audio Frequency Response : 100Hz - 2.5 kHz 6dB
Adjacent Channel Power : < 70dBc
Conducted Spurious Emission : 57dBc

RECEIVER

Sensitivity (@ 12dB SINAD) : < 115dBm
Adjacent Channel Selectivity
25 kHz Channel Spacing : > 60dB
12.5 kHz Channel Spacing : > 50dB
Spurious Response Rejection : 70dB
Image Response : > 70dB
IF Response : > 70dB
Intermediation Response Rejection
+/-25 kHz/50 kHz : 65dB
+/-50 kHz/100 kHz : 65dB
AF Distortion : < 5%
LO Frequency Temperature Stability : < 3ppm

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Power Jack: 2 Pins
Power " + " : DC 9V - 15V
Power Gnd "" : Gnd
I/O PORT : 9 Pins : DB9 Connector

PIN.1PTT
PIN.2TXD
PIN.3RXD
PIN.4Carrier DET OUT
PIN.5GND
PIN.6CTS
PIN.7 Digital MOD IN
PIN.8 Audio MOD IN
PIN.9 Audio OUT

PTT Input Level : 05V (TTL)
Digital Modulation Input Level : 05V (TTL)
Audio Modulation Input Level : 1Vpp @1kHz
Audio Output Level : 2V pp @ 8 OHM Load
Carrier DET Output Level : 05V (TTL)
TX IND Output Level : 05V(TTL)
TXD & RXD Level : +/- 12V (RS232)

Programming this device through special cable (only 3 wire connected :TXD , RXD ,GND others open) but direct RS232 level , Don't need special programming device for programming .

PTT timeout feature: 0 - 250 seconds, Cycling PTT signal enable RF output, 0 for disable timeout.

1-800-992-1000

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