

RP125



Key Specifications/Special Features:

1. Repeat Pocsag Signal
2. Antenna For RX or TX automatically switchable by software
3. Active voltage range: DC 12V
4. Output power up to 5 watt (HI)
5. RS232 Port (programming)

Specifications:

Model	: RP125 Repeater
Frequency Rang	: VHF1=137~144MHz , VHF2=144MHz ~ 174MHz : UHF=440MHz ~ 470MHz
Channel Spacings	: 12.5KHz,25KHz
RF Output Power	: 5 / 1 W
Modulation Type	: F3D,F3E
Intermediate Frequency	: 45MHz & 450KHz
Frequency Source	: Synthesizer
Power Supply	: DC 10V ~ 14V
Temperature Range	: -10°C ~ 60°C
Current Consumption	
Standby	: 100mA
TX (5W)	: < 1.2~1.8A
TX (1W)	: < 0.5~0.9A

TRANSMITTER

Carrier Power	
HI	: 5W +/- 0.5dB
LOW	: 1W +/- 0.5dB
Frequency Stability	: +/- 5ppm@VHF , +/- 3ppm@UHF
Frequency Deviation	
25kHz Channel Spacing	: 5kHz ~ 3.8kHz(Peak)
12.5kHz Channel Spacing	: 2.5kHz ~ 1.8kHz(Peak)
Adjacent Channel Power	: < 70dBc
Conducted Spurious Emission	: -57dBc

RECEIVER

Sensitivity	: WB 512bps < -120dBm,WB 1200bps < -119dBm : WB 2400bps < -116dBm
Receiver AF Response	: DC ~ 1.2kHz -3dB
Adjacent Channel Selectivity	
25kHz Channel Spacing	: > 60dB
12.5kHz Channel Spacing	: > 52dB
Spurious Response Rejection	: 70dB
Image Response	: > 70dB
IF Response	: > 70dB
Intermodulation Response Rejection	
+/-25kHz/50kHz	: 65dB
+/-50kHz/100kHz	: 65dB
Dimension	: 65.50 (W) x 30.05 (H) x 95.00 (D) mm (Without Antenna)
Weight	: Approximately 245g (without Antenna)