

MODEL **SY-502**
VHF/FM HAND HELD

2 meter TRANSCEIVER

- LCD DIGITAL PLL SYNTHESIZER SYSTEM
- BUILT-IN VFO FUNCTION
- TONE CALL WITH REPEAT SYSTEM
- 10 PRESET MEMORY
- C.T.C.S.S. (50 Codes)



SPECIFICATION

GENERAL

- Frequency Range
 - TX 144.00 - 148.00, RX 136.00 - 174.00 MHz
 - TX 144.00 - 146.00, RX 144.00 - 146.00 MHz
 - TX 144.00 - 146.00, RX 136.00 - 174.00 MHz
 - TX 136.00 - 174.00, RX 136.00 - 174.00 MHz
- Frequency Resolutio...5,10,12.5, 20 & 25KHz Steps
- Emission modeF3E
- Microphone input impedance 600 ohm
- Speaker impedance8 ohm
- Operating voltage range 6.0V - 16V DC
- Current drain at 9V/DC
 - TX full power(2.5Watts) at high.... approx 700mA
 - RX Squelched 55mA
 - RX battery save 35mA
- Dimension 65 x 37 x 167 m/m(W x H x D)
- Weight 400g (W/ EMPTY BATT PACK)

RECEIVER

- Reception type Double super heterodyne
- Intermediate frequency 1 st - 21.40MHz
2nd - 455KHz
- Reception sensitivity ...0.18uV for 12dB SND
- S/N ratio for 20dB/NQ 0.3uV
- Squelch sens 0.1uV
- Squelch gap 15dB up
- Audio Output 500mW (16 ohm/ 10% THD)

TRANSMITTER

- RF Output power 13.8V/DC : 4.0Watt
10.8V/DC : 3.0Watt
9.0VDC : 2.5Watt
7.2V/DC : 1.8Watt
6.0V/DC : 1.2Watt
- Modulation method Reactance mod
- Maximum frequency dev ± 5 KHz
- Maximum tone frequency dev ± 4 KHz
- Squrious radio 60dB
- C.T.C.S.S. tone dev ± 0.7 KHz

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