

MODEL **FRS-101** Family Radio Service

VOX SYSTEM
WAKE-UP & AUTO POWER OFF
SCAN & BLANK SCAN
CALL TONE & POWER Hi-Low
C.T.C.S.S.(38 Codes)

FRS

*Multi
Function*



SPECIFICATION

GENERAL

- FREQUENCY COVERA FM 462.5625-467.7125 MHz
- FREQUENCY RESOLUTION ... 25 KHz step FM 14 Channel
- EMISSION MODE F3E
- CHANNEL CONTROL P.L.L Synthesizer
- FREQUENCY STABILITY ± 2.5 ppm
- USABLE TEMPERATURE -20°C ~ +60°C
(21.6°F ~ 140°F)
- ANTENNA IMPEDANCE 50 Ohms unbalanced
- WIDE OPERATION VOLTAGE 3.6 V ~ 4.5 V DC
- RECEIVING SYSTEM... Double conversion super heterodyne
- SPEAKER 36 mm permanent magnet dynamic type
- MICROPHONE Built-in electric condenser type with
FET amplifier
- DIMENSION 63.5 x 34 x 95 mm (W x H x D)
- WEIGHT 128.0g (With out Battery)

RECEIVER

- Sens for 12 dB sinad 0.25 μ V
- Squelch sens. at threshold 0.15 μ V
- Squelch sens. at thigh 0.3 μ V
- Audio output at 10% THD 200 mW/ 8 ohm
- Hum & Noise ratio (un squelch) 40 dB
- Current standby (squelch) 40 mA
- Power saving mode 20 mA
- Audio frequency response +6 dB
- Audio distortion at 0.6V 3 %
- In band conducted RX spurious -60 dB
- Spurious rejection ratio 60 dB
- Image rejection ratio 60 dB
- Adjacent channel rejection ratio 60 dB
- Inter modulation rejection ratio 60 dB
- Battery low indicator 3.3 V

TRANSMITTER

- Carrier output power 0.5 W
- Maximum current at 6.0 V 500 mA
- Conducted harmonics emission
2nd, 3rd, Others -60dB
- Audio frequency response (1 KHz DEV.)
300 Hz -10.0 dB
1 KHz 0 dB
3 KHz 9.0 dB
- Peak Frequency
Deviation (at 1.25 KHz DEV.)
Audio 3.0 KHz
CTCSS 0.7 KHz
Audio + CTCSS 3.5 KHz
- Call deviation 1.8 KHz
- TX Hum & Noise
(AF 1 KHz / 1.2 KHz DEV.) 40 dB
- TX Distortion
(AF 1 KHz / 1.2 KHz DEV.) 3 %
- microphone Sensitivity
(AF 1 KHz / 1.2 KHz DEV.) 3 mV

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