

TELSON INFORMATION & COMMUNICATION CO., LTD.

TEL : 82-2-887-2690 (EXT 766)
FAX : 82-2-887-2693

4. GENERAL SPECIFICATIONS

GENERAL	
POWER SUPPLY	Rechargeable Nickel-Cadmium Battery, 7.5 VDC
POWER SUPPLY VOLTAGE RANGE	6.75 – 8.25 VDC
ENVIRONMENTAL	Designed to meet TIA/EIA-603
TEMPERATURE RANGE	-30°C to +60°C
RELEATIVE HUMIDITY	90% at 40°C Non-condensing
FREQUENCY CONTROL	PLL Synthesizer
NUMBER OF RX/TX CHANNELS	16 Maximum
SPEAKER IMPEDANCE	8 ohm
DIMENSIONS	133(L) X 63.5(W) X 37.5(H)
WEIGHT	360g with Battery
CURRENT CONSUMPTION	
STANDBY	< 30 mA (Battery Save On)
RECEIVE	< 250 mA
TRANSMIT	< 3000 mA (5W)
BATTERY LIFE(5-5-90% DUTY CYCLE)	
1100mAh	8 hrs @ 5W (Battery Save On)
	6 hrs @ 5W (Battery Save Off)
FREQUENCY BANDS	
VHF OPERATION BANDWIDTH	R/TX 450 – 470MHz
TRANSMITTER	
OUTPUT POWER	1W / 5W
CONDUCTED SPURIOUS EMISSIONS	-60 dBc max
RADIATED SPURIOUS EMISSIONS	-60 dBc max
MODULATION SYSTEM	8K50F3E/16K0F3E
AUDIO FREQUENCY RESPONSE	6dB per octave Pre-emphasis response
AUDIO DISTORTION	< 5% @ 60% System Deviation
MAXIMUN DEVIATION	+/- 5kHz @ 25kHz BW
TEMPERATURE STABILITY	+/- 2.5PPM

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FM HUM & NOISE	40dB
RECEIVER	
SENSITIVITY (12dB SINAD)	-116dBm
ADJACENT CHANNEL SELECTIVITY	-65dB @ 25kHz
INTERMODULATION REJECTION	< -60dB
SPURIOUS RESPONSE REJECTION	< -60dB
AUDIO POWER OUTPUT	400MW min. @ 10% THD
AUDIO DISTORTION	5% THD
AUDIO FREQUENCY RESPONSE	6dB per octave De-emphasis response
FM HUM & NOISE	40dB