

9.0 Appendix B - Specifications

Specifications

Radio Type	Amplitude Modulation (AM) Aircraft Transceiver
Channels	760 channels, 25KHz spacing 118.000 – 136.975MHz
Frequency Selection	VFO dial
Frequency Display	2 line alpha/numeric LCD display (with backlighting)
Frequency control	PLL frequency synthesis, which is microprocessor controlled Memory is store in non-volatile EPROM
Memories	25 programmable memories with scan function
Scan Function	On programmed memories only – scan rate 3 memories/second
Power consumption	Receive (no signal) 86 mA Transmit 1.6 A
Input Voltage	10 – 16 Volts Warning damage will occur above 16 Volts
Power output	4 watts (nominal)
VSWR Tolerance	< 5:1
Receiver sensitivity	12dB for 1.0 uV 30% modulation (KHz audio)
Receiver Selectivity	-70dB
Squelch Threshold	0.5uV (full squelch range 0.5-3.5uV)
Speaker volume output	Nominal 4 watts output to 4 ohms
Headset volume output	Nominal 100milli-watts output to 600 ohms
Temperature range	-30 - +60 degrees Celsius
Stability	+/- 3.00ppm
Dimensions	W-65mm H-59mm D-135mm (plus 35mm for harness) W-2.6” H-2.3” D-5.3” (plus 1.5” for harness)
Exposed dial face	57mm diameter 2 ¼” diameter
Weight	400 grams 19.4 ounces