

Specifications - PCX-250 LongRanger HF SSB Transceiver

GENERAL

Modes of Operation	Single Sideband Suppressed Carrier, (J3E) USB Standard, USB/LSB optional
Number of Channels	6 standard, 12 optional
Crossband Operation	Available on all channels
Operational Temperature Range	-30C to +50C
Frequency Stability over Temperature	3 parts per million (+- 30 Hertz)
Frequency Range	3.0 MHz to 8.0 MHz (std.); (2.0-10.0 MHz optional) fully synthesized PLL (no coil kits)
Channel Frequency Increment	100 Hz
Power Consumption	RX 35mA average; TX 800mA average
Battery Capacity	10 "D" cells; alkaline type
Dimensions	H 10.5 in. x L 7.0 in. x W 3.0 in.
Type Approval	Industry Canada #3694251110A

TRANSMITTER

Power Output	10W PEP Nominal
Spurious Output	Better than 53 dB below PEP
Carrier Suppression	40 dB below PEP Nominal
Intermodulation Distortion	31 dB below PEP @ 10 W PEP output
AF Response	+6 dB 400Hz to 2500 Hz
RF Output Impedance	50 ohms unbalanced
Transmitter Protection	No damage with shorted or open antenna
ALC Control	Limits power to 10W PEP maximum

RECEIVER

Sensitivity	0.5uV for 12 dB SINAD
Selectivity	2.2kHz BW @ 6 dB down 4.5kHz BW @ 60 dB down
AGC Control	Audio output held to within 10 dB from 1uV to 10,000uV
Image and Spurious Response	Better than 50 dB
Clarifier Range:	+ - 200 Hz
AF Response	+6 dB 400 Hz to 2500 Hz
AF Output	250mW Nominal

Note: Specifications subject to change without notice.