

# MILITARY UHF TRANSCEIVER

# PRR 6400



## General Specification:

Frequency Range - UHF: 446- 447 MHz  
Channel Capacity - 16  
Channel Spacing - 25/12.5 KHz  
Operation Voltage - 7.2 V  
Battery - 1700 mAh (Li-ion)  
Battery Life (5-5-90 duty cycle) - 14 Hours  
Frequency Stability - +/- 2.5 ppm  
Operation Temperature - -30...+60 C  
Antenna Impedance 50 OHm  
Dimensions (without antenna) - 105 mm x 62 mm x 41 mm  
Weight (with antenna & battery) - 265 g  
Complies to MIL-STD-810C/ D/ E/ F

## Transmitter Specification:

RF Power Out - 0.25 W  
Modulation - F3E  
Spurios & Harmonics - -36 dBm <1 GHz  
-30 dBm > 1 GHz  
FM Noise - 40/ 45 dB  
Audio Distortion < 5 %

## Receiver Specification:

Sensitivity - 0.25  $\mu$ V (W: 20/25 KHz)  
0.29  $\mu$ V (N: 12.5 KHz)  
Selectivity - 70 dB (W: 20/25 KHz)  
90 dB (N: 12.5 KHz)  
Intermodulation - 65 dB  
Spurious Response Rejection - 70 dB  
S/ N - 45/ 40 dB  
Audio Power Out - 500 mW  
Audio Distortion - < or = 5 %

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