

SPECIFICATIONS

| General | |
|--|---|
| Frequency Range | 421~430MHz |
| Number of channels | Max. 5 |
| Number of groups | Max. 5 |
| Channel Spacing | 25kHz (Wide) 12.5kHz (Narrow) |
| PLL Channel Stepping | 5kHz, 6.25kHz |
| Operating Voltage | 7.5 V DC $\pm 20\%$ |
| Battery Life | More than 14 hours at 4 watts (5-5-90 duty cycle with KNB-29N battery) More than 9 hours at 4 watts (5-5-90 duty cycle with KNB-30A battery) |
| Operating Temperature range | -30°C to +60°C |
| Frequency Stability | $\pm 2.5\text{ppm}$ (-30°C to +60°C) |
| Channel Frequency Spread | 30MHz |
| Dimensions and Weight Radio Only | 54 (2-1/8) W x 122 (4-13/16) H x 21.1 (13/16) D mm (inches) 160g (0.35lbs) |
| With KNB-29N (1500mAh battery) | 54 (2-1/8) W x 122 (4-13/16) H x 33 (1-5/16) D mm (inches) 360g (0.79lbs) |
| With KNB-30A (1100mAh battery) (Dimensions not including protrusions) | 54 (2-1/8) W x 122 (4-13/16) H x 33 (1-5/16) D mm (inches) 340g (0.75lbs) |
| Receiver (Measurements made per TIA/EIA-603) | |
| Sensitivity | |
| EIA 12dB SINAD | 0.25 μ V (Wide)/0.28 μ V (Narrow) |
| Selectivity . | 70dB (Wide)/60dB (Narrow) |
| Intermodulation . | 65dB (Wide)/60dB (Narrow) |
| Spurious response | 60dB |
| Audio Power Output | 500mW at 8 Ω less than 10% distortion |
| Transmitter (Measurements made per TIA/EIA-603) | |
| RF Power Output | 4.5W |
| Spurious and Harmonics | 65dB |
| Modulation | 16K ϕ F3E (Wide)/11K ϕ F3E (Narrow) |
| FM Noise | 45dB (Wide)/40dB (Narrow) |
| Audio Distortion | Less than 5% |