

Specifications

VX2000 (VHF)

| General | |
|--------------------------------|---|
| Frequency range | 134-160MHz (A); 148-174MHz (C) |
| Number of Channels and Spacing | 4 or 40 channels; 25 and 12.5kHz spacing |
| Emission Modes | 16K0F3E, 11K0F3E |
| Channel spacing | 12.5kHz or 25/20kHz |
| Power Supply Voltage | 10.8 to 15.6V DC, negative ground |
| Operating Temperature Range | -30°C to +60°C |
| Frequency Stability | ±0.00025% |
| Antenna Impedance | 50Ω, unbalanced (SO-239 socket) |
| Size | 160(W) x 105(D) x 40(H)mm |
| Weight (approx.) | 0.85kg |
| Current | 250mA Standby; 500mA Rx; 6.5A Tx |
| Receiver | |
| Circuit Type | Double-conversion Superheterodyne |
| IF Frequency | 1 st :17.7MHz 2 nd :450kHz |
| Sensitivity | 0.2/0.25μV for 12dB SINAD 0.3/0.35μV for 20dB NQ |
| Audio Output | 5W into 4Ω for <10% THD |
| Conducted Spurious Emission | <1GHz <2.0μW (-57dBm) >1GHz <20μW (-47dBm) |
| Adjacent Channel Selectivity | 70dB (25kHz); 60dB (12.5kHz) |
| Intermodulation | 65dB |
| Spurious and Image Rejection | 65dB |
| Hum and Noise | 45dB (25kHz); 40dB (12.5kHz) |
| Transmitter | |
| Modulation Type and Deviation | Frequency Modulation, ±5kHz, (±2.5kHz) |
| Power Output | 25/5W (High/low programmable) |
| Spurious Emissions | Better than 65dB below carrier |
| Maximum Deviation | ±5kHz (25kHz); ±2.5kHz (12.5kHz) |
| Modulation Distortion | <5% |
| Hum and Noise | 45dB (25kHz), 40dB (12.5kHz) |
| Microphone Impedance | 600Ω |