



MD-430

DMR Digital two-way radio

- Complying with digital protocol ETSI TS 102 306-1, -2, -3
- Compatible with Mototrbo Tier I & II
- Wide/narrow bandwidth selectable
- Repeater/talk around
- 1750Hz tone



| General | | Transmitter | | Receiver | |
|---------------------|--------------|--------------------------------|---|------------------------------|--|
| Frequency range | 400-470MHZ | Power | High:2W low:0.5W | Analog sensibility | 0.35μV/-116dbm(20DB SINAD) 0.22μV/-120dbm(Type) |
| Channel | 256 Channels | Frequency stability | +/-1.0PPM | Digital sensibility | 0.3μV/-117.4dbm(BER 5%) 0.7μV/-110dbm(BER 1%) |
| Channel spacing | 12.5KHZ | Adjacent Ch. power | ≅ -60db | Co-channel rejection | ≥-12 db |
| Working voltage | 4.0V | Free time slot power | TDMA≅-57dbm | Adjacent channel selectivity | TIA603C:65Db ETSI:60dB |
| Working temperature | -40°C+85°C | FM modulation mode | 12.5KHZ:11K0F3E | Spurious response | TIA603C:75Db ETSI:70dB |
| Antenna impedance | 50Ω | Modulation deviation | 2.5KHZ: @12.5KHZ | Audio power | 1W |
| Audio power | ≅ 1000MW@16Ω | Stable time slot power | -57dbm | Audio distortion | ≅ 3% (Type) |
| Dimension | 115*50*32MM | Digital protocol | ETSI TS 102 361-1-2-3 | Audio response | =1~-3dB |
| | | Vocoder type | AMBE+2TM | | |
| | | Modulation BER(bit error rate) | ≅ 5% | | |
| | | 4FSKdigital mode | 12.5KHZ(data only):7K60FXD 12.5KHZ(data + voice):7K60EXE | | |