
SPECIFICATIONS**General**

Frequency Range:	A Band: 400-435MHz B Band: 440-475MHz *
Number of Channels:	99 channels with name
Channel Spacing:	12.5/20/25/30kHz
Operation Mode:	Simplex/Semi Duplex/Full Duplex
Antenna Impedance:	50 ohm unbalanced
Power Supply:	DC 13.6V negative ground only
Consumption:	22 amperes or less
Environmental Conditions:	-30 to +60 degree C, 95% humidity @35C
Dimensions:	462 (w) 88 (h) 360 (d) mm
Weight:	11 kgs.

Transmitter

Output Power:	60-110W continuous
Switchable Bandwidth:	Full sub band
Frequency Deviation:	±5kHz(wide band) ±2.5kHz(narrow band)
Frequency Stability:	2.5ppm
Frequency Response:	Within +1, -3dB, 300-3000Hz
Signal to Noise Ratio:	50dB @1kHz 60% mod. (45dB at narrow)
Modulation Distortion:	3% or less
Spurious & Harmonics:	80dB

Receiver

Switchable Bandwidth:	3MHz
IF Frequencies:	1 st IF 21.6MHz, 2 nd IF 455kHz
Frequency Stability:	2.5ppm
Sensitivity:	0.4µV or less for 20dB N.Q./ 0.3µV or less for 12dB SINAD
Squelch Sensitivity:	0.25µV or less
Selectivity:	80dB at 25kHz
Blocking:	90dB
Intermodulation:	75dB
Spurious Response:	100dB
AF Response:	Within +1, -3dB, 300-3000Hz
AF Distortion:	5% @1kHz 60% mod
Signal to Noise Ratio:	50dB @1kHz 60% mod. (45dB at narrow)

* Note: Band letter is suffix to model number.

OPTIONS & ACCESSORIES

70-RM-50M-BB	50 AMP Rackmount Power Supply w/Battery Back-up
70-RM-20M-BB.....	20 AMP Rackmount Power Supply w/Battery Back up
71-1480.....	Programming Kit, Interface Cable & Software
70-8081.....	Slide Rail for Power Supply
71-8082.....	Slide Rails for TX/RX Unit
71-7801.....	High Power Tx/Rx Antenna Relay (100 Watt Stations)
71-7751.....	Low Power Tx/Rx Antenna Relay (50 – 60 Watt Stations)
71-8820A.....	31 1/2" Indoor Cabinet, complete with locking doors.
71-8830A.....	40 1/4" Indoor Cabinet, complete with locking doors.
71-8871.....	12 1/4" Blank Panel
71-8870.....	10 1/2" Blank Panel
71-8863.....	3 1/2" Blank Panel
71-8862.....	1 3/4" Blank Panel
71-0033.....	DC Power Cable
71-8818.....	TX RF Cable Kit (100 Watt)
71-2020.....	10 Channel Tone Remote Termination with enclosure.
71-2021.....	2 Channel DC Remote Termination with enclosure.

OPTIONS & ACCESSORIES

71-2022.....	Microwave Interface with enclosure.
71-7206.....	Tone Termination Lightning/Surge Protection.
71-ISSPTL.....	DC Termination Lightning/Surge Protection.
71-7207.....	AC Surge Protection Kit
71-7655A.....	RF Line Arrestor
71-8880.....	90" Aluminum Rack
71-8845.....	67" Indoor Cabinet (Requires 71-8845-1 Hardware Kit)
71-8845-1.....	Mounting Hardware Kit for 71-8845 Cabinet
71-8845-2.....	Grounding Kit for 71-8845 Cabinet
71-8845-3.....	Caster Kit for 71-8845 Cabinet
71-2315.....	Palm Microphone
71-2316.....	Desktop Microphone