

RPT 15 : Technical Specifications

Available in a wide range of band models for maximum flexibility, the RPT 15 packs big features into a compact portable form factor. Featuring one microphone input and one high level unbalanced input, as well as individual mixing gain controls, the RPT 15 can operate from an available AC power source or from an optional external rechargeable battery pack.



AVAILABLE OPERATING FREQUENCIES

- 150 MHz Band:**
Range from 135 to 185 MHz
- 215 MHz Band:**
Range from 200 to 260 MHz
- 300 MHz Band:**
Range from 280 to 340 MHz
- 415 MHz Band:**
Range from 400 to 430 MHz
- 450 MHz Band:**
Range from 430 to 480 MHz

RF SPECIFICATIONS

- Max Power Output:**
15 W
- Frequency Selection:**
 - Max Frequency Separation @ 135-185 MHz:**
1 MHz
 - Max Frequency Separation @ 200-260 MHz:**
2 MHz
 - Max Frequency Separation @ 280-340 MHz:**
3 MHz
 - Max Frequency Separation @ 400-480 MHz:**
5 MHz
- Frequency Stability:**
 $\pm .00025\%$
- Spurious Emission:**
More than 55 dB below carrier

PERFORMANCE SPECIFICATIONS

- Modulation Control:**
Broadcast quality compressor limiter built-in
- Audio Input Level:**

Mic In:

-68 dB to -35 dB

Line In:

0 to +10 dBm, 8-600 Ohms

RF Output Impedance:

50 Ohms

Encoding:

Sub-audible (27 Hz) tone encoder built in

MECHANICAL/PHYSICAL

Audio Inputs:

One microphone input and one high level unbalanced input/individual mixing gain controls

Accessory Connector:

9-pin "D" connector, DC power, remote control, encode, line level input

RF Connector:

SO-239 UHF Female

Dimensions (Unpacked):

3.75"H x 8.75"W x 12.5"D (includes heat sink)

Weight (Unpacked):

10 lbs

ELECTRICAL

AC Input:

110-125 VAC, 50-60 Hz (220, 230 or 240 VAC on request)

DC Input:

11-13.5 VDC (neg. gnd.)

External Battery (optional):

Soft side battery pack and charger optional

ENVIRONMENTAL

Operating Temperature:

-10° C to +45° C