



DJ-G7T/E

144MHz 5W / 430MHz 4.5W / 1200MHz 1W
FM Tri-band Handheld Transceiver

Frequency range:

E-version TX/RX: 144.000 - 145.995MHz / 430.000 - 439.995MHz / 1240.000 - 1299.995MHz

AM/FM/TV(analog) broadcasting bands

T-version TX: 144.000 - 147.995MHz / 430.000 - 449.995MHz / 1240.000 - 1299.995MHz

Sub-band RX: 0.530 - 1299.995MHz

(Cellular frequencies 824.000 - 849.995MHz, 869.000 - 894.995MHz blocked on T-version)

Modulation:

TX: F2D/F3E (RX only:WFM,AM)

Memory channel:

1000 channels + 1 call channel per ham bands+50 programmed-scan pairs+100 dual-memory+100 priority+100 serch-pass

Antenna impedance:

50 ohm unbalanced

Frequency stability:

+/- 2.5ppm

Supply voltage:

DC 7.4V (EBP-73 Li-Ion battery pack) / DC 4.5 - 16V (external regulated source)

Current consumption:

(Typical value)

TX approx. 1.6A/144MHz, 1.8A/430MHz, 0.8A/1200MHz

RX approx. 200mA

Battery save (1:4) approx. average: Dual 56mA / Single 50mA

Temperature range:

-10 to +45 degrees C. (+14 to 113 F)

Ground:

Negative

Dimensions:

(WxHxD Projections exclusive): 60 x 115 x 30 mm or 2.36 x 4.53 x 1.18 in.

Weight:

(Antenna/EBP-73 inclusive): Approx. 296 g /9.55 oz

Transmitter

Power output:

(Approx.value)

DC13.8V: 144MHz/430MHz 5/2/1/0.3W,1200MHz 1/0.3W

EBP-73: 144MHz 5/2/0.8/0.3W, 430MHz 4.5/2/0.8/0.3W, 1200MHz 1/0.3W

4 x AA cells (Max): 144MHz 2W, 430MHz 1.5W, 1200MHz 0.5W

Modulation:

Variable reactance

Spurious emission:

-60db or less

Max. Deviation:

+/- 5kHz

Mic. impedance:

2K ohms

Receiver

System:

Double-conversion super heterodyne (NFM,AM)

Single-conversion super heterodyne (WFM)

Sensitivity:

144/430MHz ham-radio bands -15dBu or better

1200MHz ham-radio band -13dBu or better

Sub-band receiver (Best values):

AM (10dB S/N):

Lower than 50MHz -1dBu

50MHz and above -6dBu

FM (12dB SINAD):

30-470MHz -15dBu

470MHz and above -7dBu

WFM

76-470MHz -6dBu

470MHz and above -3dBu

Intermediate frequency:

Main-band FM 51.65MHz / 450KHz

Sub-band AM/FM 50.75MHz / 450KHz

Sub-band WFM 10.7MHz

Selectivity:

AM/FM -6dB 12KHz or more / -60dB 35KHz or less

WFM -6dB 130KHz or more / -60dB 300KHz or less

AF output:

400mW (8ohm 10%THD)