

R-5000

SPECIFICATIONS

<GENERAL>

Receive frequency range
100kHz~30MHz

Mode
A1 (CW), A3J (SSB), A3 (AM), F1 (FSK), F3 (FM)

Antenna impedance
50/500Ω

Power requirement
AC 100V±10%, DC 13.8V±15%

Power consumption
AC : 35W, DC : 2A

Frequency configuration
1st IF : 58.1125MHz
2nd IF : 8.83MHz
3rd IF (FM mode only) : 455kHz
CW, SSB, AM, FSK; Double conversion superheterodyne
FM; Triple conversion superheterodyne

Image ratio
60dB or more (100kHz~1.8MHz)
80dB or more (1.8MHz~30MHz)

IF rejection ratio
60dB or more (100kHz~1.8MHz)
70dB or more (1.8MHz~30MHz)

IF SHIFT variable range
±0.9kHz or more

RIT/XIT variable range
±1kHz or more

Audio output power
1.5W or more (with 8Ω load, 10% distortion)

Audio output impedance
4~16Ω (including speakers and headphones)

Operating temperature
-10°C~+50°C

Dimensions () includes projection
W 270(279) x H 96(107) x D 270(307)mm

Weight
5.5kg (1210lbs)

<FREQUENCY STABILITY>

Frequency accuracy
Within ±10 x 10⁻⁶

Frequency stability (RIT/XIT OFF)
Within ±10 x 10⁻⁶ (-10°C~+50°C)

Reference oscillats frequency
18MHz

Sensitivity

Mode \ Range	100~150kHz	150~500kHz	500kHz~1.6MHz	1.6~30MHz
SSB, CW, FSK (S + N/N = 10dB)	2.5μV or less	1μV or less	4μV or less	0.25μV or less
AM (30% Mod. S + N/N = 10dB)	25μV or less	10μV or less	16μV or less	2μV or less
FM (12dB SINAD)	—	—	—	0.5μV or less

Squelch sensitivity (Threshold)

Mode \ Range	100~150kHz	150~500kHz	500kHz~1.6MHz	1.6~30MHz
SSB, CW, AM, FSK	20μV or less	10μV or less	20μV or less	2μV or less
FM	—	—	—	0.32μV or less

Selectivity

Mode \ Range	-6dB	-50dB	-60dB
SSB, CW, FSK	2.5kHz or more	—	5.8kHz or less
AM	4kHz or more	20kHz or more	—
FM	12kHz or more	25kHz or more	—

Note : Circuit and ratings subject to change without notice due to developments in technology.

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