

IC-706MKIIG HF/VHF/UHF All Mode Transceiver Specifications

Frequency range

Receive 0.030 -199.999 MHz* 400 -470 MHz*

Transmit	1.8 -1.999 MHz*	3.5 -3.999 MHz*
	7.0 -7.300 MHz*	10.1 -10.150 MHz
	14.0 -14.350 MHz	18.068 -18.168 MHz
	21.0 -21.450 MHz	24.89 -24.990 MHz
	28.0 -29.700 MHz	50.0 -54.000 MHz*
	144.0 -148.000 MHz*	430.0 -450.000 MHz*

* Varies according to version

Mode USB, LSB, CW, RTTY (FSK), AM, FM, WFM (Rx only)

No. of Memory Channels 107 (99 regular, 6 scan edges, 2 call channels)

Antenna Connector SO-239x2 (for HF/50 MHz and 144/430 MHz)/50Ω

Frequency stability Less than ± 7ppm from 1 min. to 60 min. after power ON. After that rate of stability less than ± 1 ppm/hr. at +25 ° C (+77 ° F). Temperature fluctuations 0 ° C to +50 ° C (+32 ° F to +122 ° F) less than ±5 ppm.

Current Drain Tx	Max	20 A
Rx	Standby	1.8A
	Max Audio	2.0 A

Temperature Range -10°C to 60°C; 14°F to 140°F

Dimensions 167(W) X 58(H) X 200(D) mm; 69/16(W) X 29/32(H) X 77/8(D) in
Weight (approx.) 2.45 kg (5 lb 6 oz)

CI-V connector 2 conductor, 3.5 (d) mm (1/8")
ACC Connector 13 pin



Output Power SSB/CW/RTTY/FM AM

HF/50 MHz 5 - 100 W 2 - 40 W

144 MHz 2.5 - 50 W 2 - 20 W

440 MHz 2 - 20 W 2 - 8 W

Modulation System

SSB

AM

FM

Balanced modulation

Low level modulation

Variable reactance modulation

Spurious Emissions

Below 47.5MHz

47.5-50MHz

Above 50MHz

Less than -60 dB

-50 to -60 dB

-60 dB

Carrier Suppression More than 40 dB

Unwanted Sideband More than 50 dB

MIC Connector 8 pin modular jack (600Ω)

KEY connector 3-conductor 6.35 (d) mm (1/4")

RTTY connector 3-conductor 3.5 (d) mm (1/8")

Receiver

Receiving system

SSB/CW/AM/WFM

FM

Double superheterodyne

Triple superheterodyne

Intermediate frequencies (Unit: MHz)

1st 2nd 3rd

SSB/AM-N/FM 69.0115 9.0115 0.455*

CW 69.0106 9.0106 —

RTTY 69.0105 9.0105 —

AM/FM-N 69.0100 9.0100 0.455*

WFM 70.7000 10.7000 —

*FM only

Receive sensitivity (preamp on; except 4-4.5 and 8-9 MHz)

SSB/CW

10 dB S/N

AM

10 dB S/N

FM

12 dB SINAD

WFM

12 dB SINAD

0.5-1.8 MHz - 13μV - -

1.8-28 MHz 0.15μV 2.0μV 0.5μV -

28.0 - 29.7 0.15 μ V 2.0 μ V 0.5 μ V -
50.0 MHz band 0.12 μ V 1.0 μ V 0.25 μ V -
76-108 MHz - - - 10.0 μ V
144/440 MHz band 0.11 μ V 1.0 μ V 0.18 μ V -

Squelch Sensitivity (threshold)

SSB

FM

Less than 5.6 μ V

Less than 0.3 μ V

Selectivity (normal)

SSB, CW, RTTY

AM/FM-N

FM

More than 2.4 kHz/- 6 dB

Less than 4.8 kHz/ -60 dB

More than 8.0 kHz/-6 dB

Less than 30 kHz/-36 dB

More than 12 kHz/-6 dB

Less than 30 kHz/-60 dB

Spurious and Image Rejection

HF bands

50 MHz

144/430(440) MHz

More than 70 dB

More than 65 dB (except IF through)

More than 65 dB

Audio output power More than 2.0 W (at 13.8 V DC)

RIT Variable Range \pm 9.99 kHz

PHONES connector 3-conductor, 3.5 (d) mm (1/8")/8 Ω

External SP Connector 2-conductor, 3.5 (d) mm (1/8")/8 Ω

The IC-706MKIIG meets MIL-STD requirements and strict environmental standards for shock (MIL 810C, D, E)

and vibration (MIL 810C, D, E).

All stated specifications are subject to change without notice or obligation.

Supplied Accessories

Hand Microphone