

07
ICOM

VHF AND UHF TRANSCEIVERS

IC-F3GT

(VHF transceiver with keypad)

IC-F4GT

(UHF transceiver with keypad)

IC-F3GS

(VHF transceiver without keypad)

IC-F4GS

(UHF transceiver without keypad)



Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency range :
 - IC-F3GT/GS 136–150 MHz 146–174 MHz
 - IC-F4GT/GS 400–430 MHz 440–470 MHz
 - 470–500 MHz
 - 490–512 MHz (USA)
 - 490–520 MHz (others)
- Number of channel : Total 40
- Type of emission : 16K0F3E (25 kHz; not available in the U.S.A.)
8K50F3E (12.5 kHz)
14K0F3E (20 kHz)
- Antenna impedance : 50 Ω
- Frequency error : ±0.0005% (EIA; IC-F3GT)
±0.00025% (EIA; IC-F4GT)
±1.5 kHz (ETS; 12.5 kHz)
±2 kHz (ETS; 25/20 kHz)
- PLL channel step : 5 kHz, 6.25 kHz, 7.5 kHz
- Power supply requirement : 7.2 V DC (Icom battery pack)
- Current drain (at 7.2 V DC) :
 - Transmit at 5 W 1.6 A (IC-F3GT/GS)
 - at 4 W 1.5 A (IC-F4GT/GS)
 - at 1 W 0.7 A (IC-F3GT/GS)
 - 0.8 A (IC-F4GT/GS)
 - Receive at AF max. 250 mA
 - at stand-by 70 mA
- Operating temp. range : –30°C to +60°C; –22°F to +140°F (EIA)
–25°C to +55°C (ETS)
- Dimensions : 54(W)×132(H)×35(D) mm
(projections not included) 2¹/₈(W)×5³/₁₆(H)×1⁷/₁₆(D) in
- Weight (with BP-209) : 370 g; 13.1 oz

TRANSMITTER

- Modulation system : Variable reactance frequency modulation
- Output power : IC-F3GT/GS 5.0 W
IC-F4GT/GS 4.0 W
- Max. freq. deviation : ±2.5 kHz, ± 5 kHz, ±4 kHz
- Modulation limiting : 80–100%
- Audio harmonic distortion : 3% max. (1 kHz/40% dev.)
5% max. (1 kHz/60% dev.)
- Spurious emissions : 73 dBc (EIA)
Less than 0.25 μW (ETS)
- Adjacent ch. power : 60 dB (EIA)
60 dB (ETS; 12.5 kHz)
70 dB (ETS; 25/20 kHz)
- Residual modulation : 40 dB (EIA)
43 dB (ETS; 12.5 kHz)
45 dB (ETS; 25/20 kHz)
- External MIC connector : 3-conductor 2.5 (d) mm (1/10")/2.2 kΩ

RECEIVER

- Intermediate freq. : 1st 31.05 MHz (IC-F3GT/GS)
46.35 MHz (IC-F4GT/GS)
2nd 450 kHz
- Sensitivity :
 - IC-F3GT/GS 0.25 μV (at 12 dB SINAD)
0.63 μV (at 20 dB SINAD)
 - IC-F4GT/GS 0.3 μV (at 12 dB SINAD)
0.79 μV (at 20 dB SINAD)
- Squelch sensitivity (at threshold):
 - IC-F3GT/GS 0.25 μV
 - IC-F4GT/GS 0.3 μV
- Adjacent Ch. selectivity : 65 dB (EIA)
60 dB (ETS; 12.5 kHz)
70 dB (ETS; 25/20 kHz)
- Spurious response : 70 dB (EIA)
70 dB (ETS)
- Intermodulation : 70 dB (EIA)
65 dB (ETS)
- Hum and noise ratio : 40 dB (EIA)
43 dB (ETS; 12.5 kHz)
45 dB (ETS; 25/20 kHz)
- Audio output power : 0.5 W at 5% distortion with an 8 Ω load
- External SP connector : 2-conductor 3.5 (d) mm (1/8")/8 Ω

Applicable U.S. Military Specifications

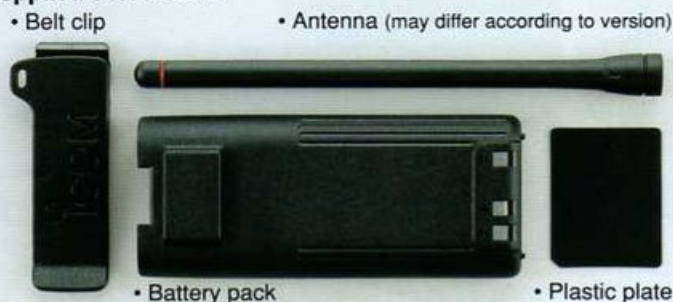
Icom makes rugged products that meet MIL-STD requirements and strict environmental standards as follows.

Standard	MIL 810C		MIL 810D		MIL 810E	
	Method	Procedure	Method	Procedure	Method	Procedure
Vibration	514.2	X	516.2	I	514.3	I
Shock	516.3	I	514.4	I	516.4	I

Measurements made in accordance with EIA/TIA-152C/204D, or ETS 300-086. All stated specifications are typical and subject to change without notice or obligation.

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Supplied accessories:



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Certificate Number Q14190

Icom Inc. (Japan), is an ISO9001 certification acquired company.

Your local distributor/dealer: