



VHF AND UHF TRANSCEIVERS

IC-F3021T

(VHF transceiver with 10-keypad)

IC-F4021T

(UHF transceiver with 10-keypad)

IC-F3021S

(VHF transceiver without 10-keypad)

IC-F4021S

(UHF transceiver without 10-keypad)



One Rank Up



- 128 ch / 8 zones
- 2-Tone, 5-Tone CTCSS, DTCS
- MDC PTT ID & MDC emergency call
- 15.5 hrs. operating time with BP-232N
- 8-character LCD display
- Optional voice scrambler

SPECIFICATIONS

GENERAL

- Frequency range :
 - IC-F3021T/S 136–174MHz
 - IC-F4021T/S 400–470MHz
 - 450–512MHz
 - 450–520MHz
- Number of channels : 128 channels/8 zones
- Channel spacing : 12.5kHz/25kHz, 15kHz/30kHz
- PLL channel step : 2.5kHz, 3.125kHz
- Antenna impedance : 50Ω
- Usable temperature range : –30°C to +60°C; –22°F to +140°F
- Power supply requirement : 7.2V DC
- Current drain (at 7.2V DC; approx.):
 - Transmit VHF/UHF 1.5A/1.5A (at 5W/4W)
 - Receive Stand-by 75mA
 - Rated output 250mA
- Dimensions (with BP-232N) : 53 (W) × 120 (H) × 36.9 (D) mm; (projections are not included) 2³/₃₂ (W) × 4²³/₃₂ (H) × 1⁷/₁₆ (D) in
- Weight (approx.) : 296g; 10.4oz (with BP-232N)

TRANSMITTER

- Output power : 5W (VHF), 4W (UHF)
- Max. frequency deviation : ±5.0/±2.5kHz (Wide/narrow)
- Frequency error : ±2.5ppm
- Spurious emissions : 80dB typ.
- Adjacent channel VHF : 80/70dB typ. (Wide/narrow)
power UHF 75/68dB typ. (Wide/narrow)
- FM Hum and Noise : 48/45dB typ. (Wide/narrow)
- Audio harmonic distortion : 3% typ. (AF 1kHz, 40% deviation)
- Modulation limiting : 60–100% of max. deviation
- External microphone connector :
3-conductor 2.5 (d) mm (1/10")/2.2kΩ

Measurements made in accordance with EIA/TIA-603. All stated specifications are subject to change without notice or obligation.

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RECEIVER

- Intermediate frequency : 1st 46.35MHz
2nd 450kHz
- Sensitivity : 0.25μV typ. (at 12dB SINAD)
- Squelch sensitivity : 0.25μV typ. (at threshold)
- Adjacent channel selectivity : 75/65dB typ. (Wide/narrow)
- Spurious response : 70dB min.
- Intermodulation : 75/74dB typ. (VHF/UHF)
- Hum and noise ratio VHF : 55/50dB typ. (Wide/narrow)
UHF 53/48dB typ. (Wide/narrow)
- Audio output power : 500mW typ.
(at 5% distortion with an 8Ω load)
- External speaker connector: 2-conductor 3.5 (d) mm (1/8")/8Ω

Applicable U.S. Military Specifications

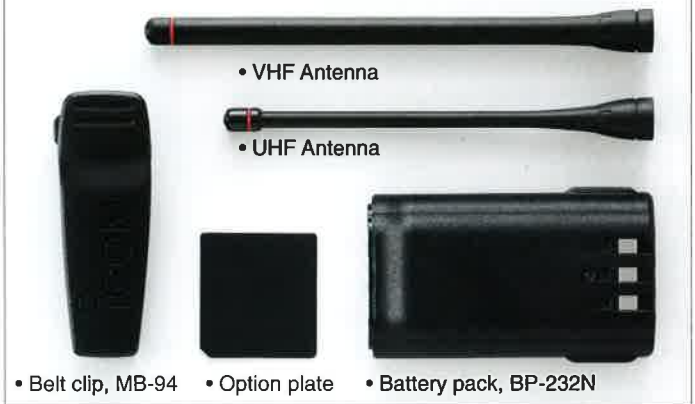
Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4-3	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	–
Salt Fog	509.4	–
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

SUPPLIED ACCESSORIES

(May differ according to version)



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