



VHF AND UHF TRANSCEIVERS

IC-F3023T

(VHF transceiver with 10-keypad)

IC-F4023T

(UHF transceiver with 10-keypad)

IC-F3023S

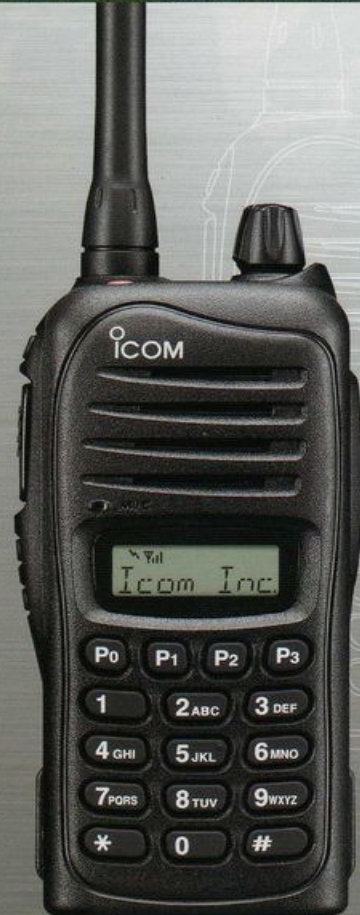
(VHF transceiver without 10-keypad)

IC-F4023S

(UHF transceiver without 10-keypad)



F3023 F4023 Series



- 128ch/
8 zones
- 2-Tone, 5-Tone,
CTCSS, DTCS
- VHF 5W
UHF 4W
- IP54 rugged
construction
- 8-character
LCD display
- Optional voice
scrambler

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency range :
IC-F3023T/S 136–174MHz
IC-F4023T/S 400–470MHz
450–520MHz
- Number of channels : 128 channels/8 zones
- Channel spacing : 12.5kHz/25kHz
- PLL channel step : 2.5kHz, 3.125kHz
- Antenna impedance : 50Ω
- Usable temperature range : –30°C to +60°C
- 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-231) : 53 (W) × 120 (H) × 32.5 (D) mm
(projections are not included)
- Weight (approx.) : 260g (with BP-231)

TRANSMITTER

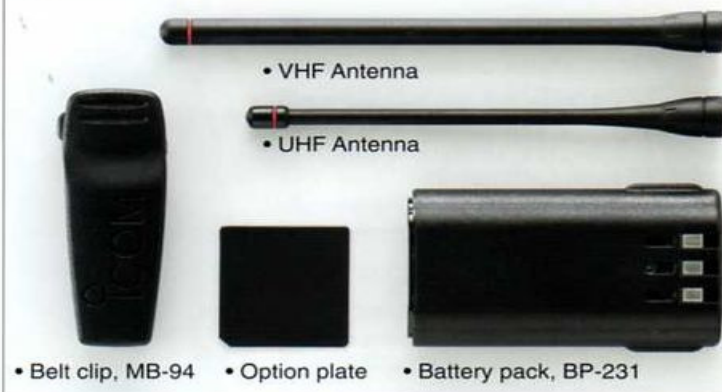
- Output power : 5W (VHF), 4W (UHF)
- Max. frequency deviation : ±5.0/±2.5kHz (Wide/narrow)
- Frequency error : ±2.5ppm
- Spurious emissions : 80dB typ.
- Adjacent channel power VHF : 80/70dB typ. (Wide/narrow)
UHF : 75/68dB typ. (Wide/narrow)
- FM Hum and Noise : 48/45dB typ. (Wide/narrow)
- Audio harmonic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

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/8Ω

SUPPLIED ACCESSORIES

(May differ according to version)



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

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