

Features, Performance, Value For the Everyday LMR User

General

	IC-F5023H	IC-F6023H
Frequency coverage	136–174MHz	400–470MHz 450–520MHz
Number of channels	Max. 128 Ch/ 8 zones	
Channel spacing	12.5/25kHz	
Type of emission	16K0F3E, 11K0F3E	
Current drain (approx.)	Tx	10.0/11.0A (VHF/UHF)
	Rx	0.7A
	Stand-by	250mA
Dimensions (projections not included; W×H×D)	150×40×167.5 mm	
Weight (approx.)	1.1kg	

Transmitter

	IC-F5023H	IC-F6023H
RF output power	50W	45W
Spurious emissions	70dB (typ.)	
Frequency stability	±2.5ppm	
Audio harmonic distortion	3% typical 40% deviation	
FM Hum and Noise	46dB typ. (W) 40dB typ. (N)	

Receiver

	IC-F5023H	IC-F6023H
Sensitivity at 12dB SINAD	0.25µV (typ.)	
Adjacent channel selectivity (W/N)	75dB/65dB (typ.)	
Spurious response rejection	80dB (typ.)	
Intermodulation rejection	75dB (typ.)	
AF output power (at 5% distortion with an 4 Ω load)	4W (typ.)	

FUNCTION COMPARISON AND INTERNAL UNIT OPTIONS

		IC-F5023H IC-F6023H
Number of option slots		1
CTCSS/ DTCSS	encoder	Available
	decoder	Available
2-Tone	encoder	Available
	decoder	Available
5-Tone	encoder	Available
	decoder	Available
DTMF autodial		Available
DTMF decoder		UT-108R
Voice Scrambler	Inversion	-
	Non-rolling	UT-109R
	Rolling	UT-110R
APCO P25 digital		-
AES encryption		-
DES encryption		-
IDAS digital		-
MPT 1327		-
MDC 1200		Available (Limited functions)
LTR™ trunking		-
PassPort		-

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-810 F Method, Proc.
Low Pressure Storage	500.4 I
Low Pressure Operation	500.4 II
High Temperature Storage	501.4 I
High Temperature Operation	501.4 II
Low Temperature Storage	502.4 I
Low Temperature Operation	502.4 II
Temperature Shock	503.4 I
Solar Radiation	505.4 I
Humidity Induced	507.4
Settling Dust	510.4 III
Vibration	514.5 I
Shock Functional	516.5 I
Shock Transit Drop	516.5 IV