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TH-UVF1



Main Functions:

ANI code

8 groups of Scrambler

MSK/DTMF/2tone/5tone

Voice companding function

Direction of differ frequency, Frequency difference set

Voice prompt

Emergency Call

Multi-Scan Function

Multi-band selection

VOX Grade selective

TOT (Time-out-timer)

End-tone Elimination

Hi/Low power selective

Digital FM radio receiver

Keypad lock voice prompt

VOX sensitivity Adjustable

0–9 grade Squelch selective

Tri-color backlight (blue, purple, orange)

Full-CH/FR mode/Self-program/Online program/manual adjustor

Manual / Electrical transfer (signaling frequency offset, power, sensitivity)

Technical parameters

Item number	TH-UVF1
General	
Frequency Range	70-108MHz (FM Receive only) 136-174MHz (RX/TX) 400-470MHz (RX/TX) 350-390MHz (RX) 470-520MHz (RX) 245MHz (RX/TX)(optional) 350-390MHz (RX/TX)(optional) 470-520MHz (RX/TX)(optional)
Channel No.	128
Frequency Stability	5PPM
Antenna	High gain antenna
Antenna Impedance	50Ω
Operating Voltage	DC 7.2V(Rechargeable Li-ion battery)
Mode of operation	Simple or semi-duplex
Dimensions (W×H×D)	115x55x31mm
Transmitter	
Output power	≥4W(H) ≥0.5W(L)
Modulation Mode	16kΦF3E/ 11kΦF3E
Maximum deviation	<5kHz/<2.5KHZ
Spurious Radiation	<7μW
Adjacent Ch. power	≥65dB/≥60db
Pre-emphasis characteristics	6db
Current	≤1.6A(5W)
CTCSS/DCS deviation	0.5kHz+/-0.01kHz 03kHz+/-0.1kHz
Intermediation sensitivity	8-12mv
Intermediation distortion	<10%
Receiver	
RF Sensitivity	-122dbm(12db SINAD)
Audio power	>0.5W
Audio Distortion	≤10%
Intermediation	≥60dB ≥55db
Selectivity	≥65dB ≥60db
Spurious Rejection	≥65db
Blocking	≥85

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