

WIRELESS TUNER MODULE

WTU-870

WTU-871

■ GENERAL DESCRIPTION

The WTU-870 (WTU-871) is a wireless tuner module for TOA's VHF high band diversity tuner model WT-870. To ensure its reliability, it employs a compressor/expander system noise reduction circuit to minimize the influence of high-frequency noise generated from digital equipment such as personal computers and word processors, as well as a combined noise/tone squelch circuit.

■ SPECIFICATIONS

Power supply : 10V DC

Current consumption : 130 mA (max.)

Receiving frequency : 169.445 MHz-171.905 MHz (FCC Part 90/USA)
174.250 MHz-215.250 MHz (FCC Part 74AJSA, DOC/CANADA)
173.8 MHz-175.0 MHz (MPT 1345/UK)
202.1 MHz-203.7 MHz (DOC 60/AUSTRALIA)

Receiving circuit: Single superheterodyne circuit

Antenna input impedance : 75 ohms, unbalanced

Receiving sensitivity : Under 20 dB μ V (S/N : 75 dB/Deviation : 15 kHz)
(S/N : 80 dB/Deviation : 40 kHz)

Squelch sensitivity : 14 dB μ V

Maximum deviation : 15 kHz (FCC Part 90/USA, DOC/CANADA, DOC 60/AUSTRALIA)
40 kHz (FCC Part 74/USA, MPT 1345/UK)

Dynamic range (SNR): Better than 90 dB (102 dB: A-weight)(60 dB μ V, 15 kHz Deviation)
: Better than 95 dB (102 dB : A-weight)(60 dB μ V, 40 kHz Deviation)

Residual noise: Less than 30 μ V (8 μ V: A-weight)

Output level: 0 dBV (Maximum deviation, 2.2k ohms load)

Distortion : Less than 1 %

Temperature range : -10 °C~50 °C (14 °F~122 °F)

Dimensions : 60 x 25 x 139 mm (2.36" x 0.98" x 5.47")

Weight: 155g (0.34 lb.)

Standard accessory

Frequency label: 1

* Specifications are subject to change without notice.

- Function of card edge pins
- No.1 : RF input B
- No.2: Ground
- No.3: AF output
- No.4: Ground
- No.5 : Squelch output B
- No.6 : Squelch output A
- No.7: Ground
- No.8: +B power input (10V)
- No.9: Ground
- No.10: RF input A

- Note:** (1) Refer to the diversity tuner's operating instructions for installation and operation of the tuner module.
- (2) Be sure to refer the module installation to authorized service personnel.

