

WIRELESS TUNER MODULE

WTU-770

WTU-771

■ GENERAL DESCRIPTION

The WTU-770 (WTU-771) is a wireless tuner module for TOA's VHP high band wireless tuner model WT-770. 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 : 70 mA (max.)

Receiving frequency : 169.445 MHz~171.905 MHz (FCC Part 90/USA)

174.250 MHz~215.250 MHz (FCC Part 74/USA, 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 : 40 x 20 x 106 mm (1.65" x 0.79" x 4.17")

Weight: 85 g (0.19 lb.)

Standard accessory

Frequency label: 1

* Specifications are subject to change without notice.

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

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.



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