

## WTU-4800 H01

### WIRELESS TUNER UNIT



The TOA Wireless Tuner Module WTU-4800 is a PLL-synthesizer controlled double superheterodyne diversity tuner module designed to be used in conjunction with UHF wireless equipment. It employs a compressor-expander system noise reduction circuit to minimize the influence of ambient RF noise.

### Key features

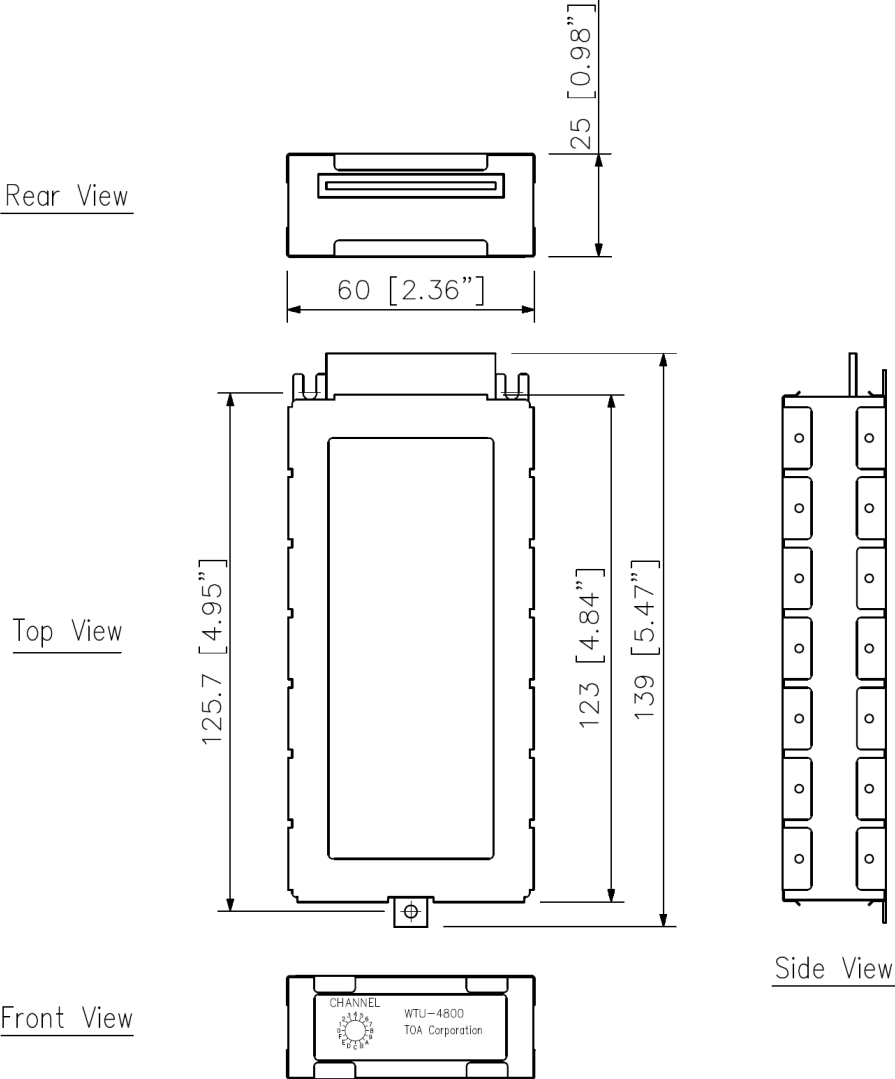
- Compact, single channel tuner module
- Designed to work with our UHF wireless transmitters
- Can be used in the WT-4820 dual channel receiver unit or can be integrated into other systems
- Include diversity operation
- Integrated squelch circuit
- 16 intermodulation-free frequencies
- Other features: Noise squelch, phantom powering for antennae

## Specifications

(\*1) 0 dB = 1 V

Power Source	7 – 12 V DC
Current Consumption	100 mA
Receiving Frequency	576 – 606 MHz, UHF
Channel Selection	16 channels selectable
Receiving System	Double superheterodyne
Diversity System	Space diversity
Antenna Input Impedance	75 $\Omega$
Harmonic Distortion	1 % or less
Squelch Sensitivity	17 dB $\mu$ V
Squelch System	Noise SQ
Frequency Response	100 Hz – 12 kHz, $\pm$ 3 dB
Output Level	0 dB* (maximum deviation, 2.2 k $\Omega$ load)
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
Operating Humidity	30% to 85%RH (no condensation)
Finish	Surface-treated steel plate
Dimensions	60 (W) x 25 (H) x 139 (D) mm (2.36" x 0.98" x 5.47")
Weight	130 g (0.29 lb)
Included Accessories	Driver for channel changing x 1

# Dimensions



UNIT: mm

## A&E specifications

Wireless tuner module shall be designed to be used in conjunction with UHF wireless equipment for vocal or speech reinforcement applications. Its built-in circuit shall minimize the influence of ambient noise.

Receiving Frequency: 576 - 606 MHz

Receiving System: Double super-heterodyne

Receiving Sensitivity: 80 dB or more, Signal to Noise Ratio (20 dB $\mu$ V input, 40 kHz deviation)

Antenna Input Impedance: 75 ohm

Diversity System: Space diversity

Channel Selectable: 16 channels

Squelch System: Noise Squelch

Squelch Sensitivity: 17 dB $\mu$ V

Output level: 0 dBV

Total harmonic distortion: 1% or less

Frequency Response: 100 Hz to 12 kHz,  $\pm$  3 dB

Working temperature range:  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ )

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

Weight: 130 g (0.29 lbs.)

Manufacturer: TOA

Model: WTU-4800 H01