

## DESCRIPTION

The wireless tuner WT-5800 is a PLL-synthesizer controlled double superheterodyne true diversity tuner to be used in UHF wireless systems. It employs a compander noise reduction circuit to minimize the influence of the ambient RF noise.

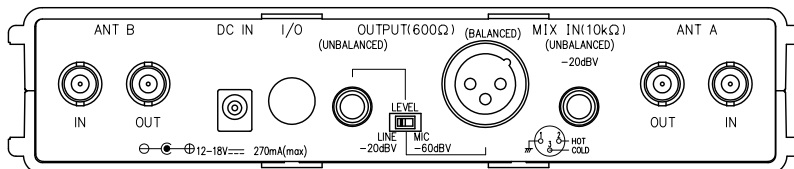
## SPECIFICATIONS

(\*1) 0 dB = 1 V

|                       |  |
|-----------------------|--|
| Power Source          | AC mains (supplied AC adapter must be used)  |
| Power Consumption     | 250 mA (12 V DC)   |
| Receiving Frequency   | 576 - 865 MHz (*2), UHF  |
| Channel Selectable    | 64 selectable frequencies  |
| Receiving System      | Double super-heterodyne  |
| Diversity System      | Space diversity (true diversity)   |
| Mixing Output         | MIC/LINE (selectable): -60 dB (*1) (MIC)/-20 dB (*1) (LINE), 600 Ω phone jack (unbalanced), 600 Ω XLR-3-32 type connector (balanced) |
| Mixing Input          | -20 dB (*1), 10 kΩ, unbalanced, phone jack   |
| Antenna Input         | 75 Ω, BNC (phantom powering for antenna), 9 V DC, 30 mA (max)  |
| Antenna Output        | 75 Ω, BNC (Gain 0 dB)  |
| Receiving Sensitivity | 90 dB or more, Signal to Noise ratio (20 dBμV input, 40 kHz deviation)   |
| Squelch Sensitivity   | 16 - 40 dBμV variable  |
| Squelch System        | Using together of noise SQ, carrier SQ and tone SQ   |
| Tone Frequency        | 32.768 kHz   |
| Indicator             | Audio (6 steps), RF (6 steps), ANT A/B, Audio (peak), Battery alarm  |
| Channel Check         | Usable frequencies scanning  |
| Signal to Noise Ratio | 110 dB or more (A-weight, unbalanced output)   |
| Harmonic Distortion   | 1 % or less (typical)  |
| Frequency Response    | 100 Hz - 15 kHz, ±3 dB   |
| Operating Temperature | -10 °C to +50 °C (14 °F to 122 °F)   |
| Operating Humidity    | 30 % to 85 %RH (no condensation)   |
| Finish                | Resin, black   |
| Dimensions            | 210 (W) × 44 (H) × 205.1 (D) mm (8.27" × 1.73" × 8.07")  |
| Weight                | 700 g (1.54 lb)  |
| Accessory             | AC adapter (*3)•1, Whip antenna•2, Rubber foot•4   |
| Option                | Mounting bracket kit: MB-WT3 (for rack mounting one WT-5800 unit)<br>MB-WT4 (for rack mounting two WT-5800 units)                    |

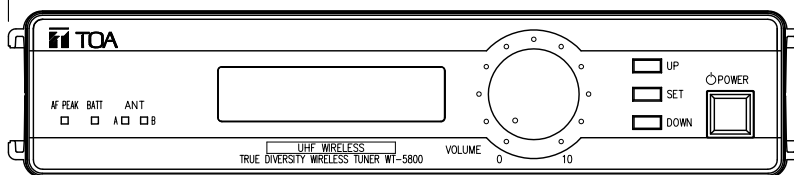
## APPEARANCE

(\*3)



Rear View

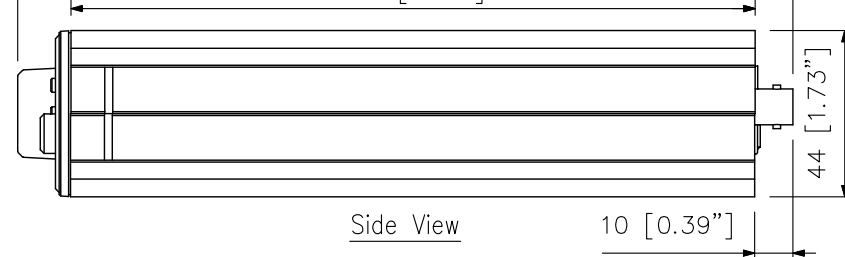
210 [8.27"]



Front View

205.1 [8.07"]

181 [7.13"]



Side View

UNIT:mm SCALE:1/2

| Version | AC Adapter            |  |
|---------|-----------------------|--|
| US      | 120 V AC, 60 Hz       |  |
| CN      | 220 V AC, 50 Hz       |  |
| UK      | 220 - 230 V AC, 50 Hz |  |
| ER      | 230 V AC, 50 Hz       |  |
| AS      | 240 V AC, 50 Hz       |  |

Note: No AC adapter is supplied with the version B02ER.

(\*2)

| Version   | Receiving Frequency |
|-----------|---------------------|
| A01       | 692 - 722 MHz, UHF  |
| B01, B02  | 722 - 752 MHz, UHF  |
| C01 - C07 | 794 - 830 MHz, UHF  |
| D01 - D05 | 830 - 865 MHz, UHF  |
| E01       | 668 - 698 MHz, UHF  |
| F01       | 636 - 666 MHz, UHF  |
| G01, G02  | 606 - 636 MHz, UHF  |
| H01       | 576 - 606 MHz, UHF  |