

**WEN SHING**®

Wen Shing Electronics

**TWS-A433**

Transmitter

The RF Module's Frequency Is From 300mhz To 433.92mhz .The RF Module's Frequency Depends On The Quartz Surface Acoustic Wave (Saw) Of Different Frequency. The Following Space. Is Suitable For Any Frequency.

**Electrical Characteristics**

| Symbol      | Characteristic                | Conditions                 | Min     | Typ    | Max    | Unit    |
|-------------|-------------------------------|----------------------------|---------|--------|--------|---------|
| Vcc         | Operating Supply Voltage      |                            | 1.5     | -      | 12     | V       |
| Icc         | Peak Current                  |                            | -       | 5      | 9      | mA      |
| Vih         | Input High Voltage            | I Data = 100 $\mu$ A(High) | Vcc-0.5 | -      | Vcc    | V       |
| Vil         | Input Low Voltage             | I Data = 0 $\mu$ A(Low)    | -       | -      | 0.3    | V       |
| Fo          | Absolute Frequency            |                            | 433.82  | 433.92 | 434.02 | MHz     |
| $\Delta$ Fo | Relative To 433.92mhz         |                            |         | +/-100 | +/-150 | kHz     |
| Po          | RF Out Power Into 50 $\Omega$ |                            | -3      | 0      | +2     | dBm     |
|             | Modulation Bandwidth          | External Encoding          | -       | 5      | -      | kHz     |
| Tr          | Modulation Rise Time          |                            | -       | -      | 100    | $\mu$ S |
| Tf          | Modulation Fall Time          |                            | -       | -      | 100    | $\mu$ S |