

## LTE Full Band & 3G & GSM PCB Substrate Antenna

**MODEL: WC12H1**

**P/N: H2B1MH1A2F0100**



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All specifications subject to change without notice.

### Features

- Stable and reliable in performances
- Compact size
- RoHS2.0 compliance

### Applications

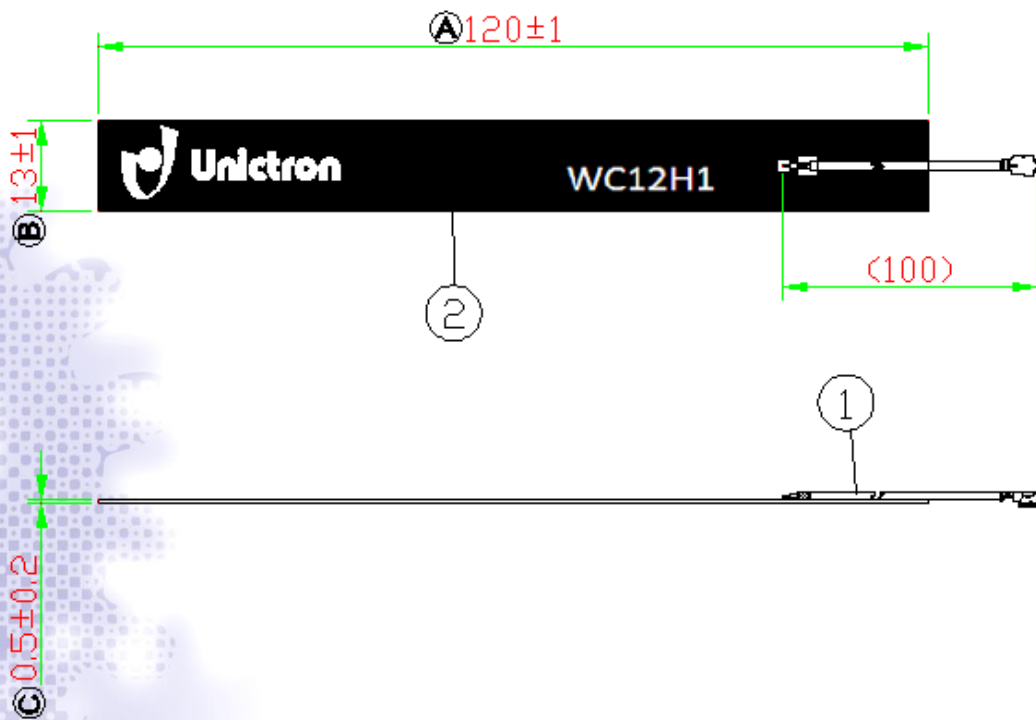
- LTE Full Band/ 3G/ 2G
- LTE / GSM / CDMA /DCS /PCS / WCDMA / UMTS / HSDPA / GPRS / EDGE /IMT

## Specifications

| Items                  | Specifications      |           |           |           |
|------------------------|---------------------|-----------|-----------|-----------|
| Frequencies (MHz)      | 698~960             | 1710~2170 | 2300~2400 | 2490~2690 |
| Efficiency (%)         | 60 Typ.             | 66 Typ.   | 70 Typ.   | 54 Typ.   |
| Average Gain (dB)      | -2.2 Typ.           | -1.8 Typ. | -1.6 Typ. | -2.7 Typ. |
| Peak Gain (dBi)        | 2.8 Typ.            | 2.7 Typ.  | 3.2 Typ.  | 1.1 Typ.  |
| Impedance ( $\Omega$ ) | 50                  |           |           |           |
| Polarization           | Linear Polarization |           |           |           |

| Mechanical Specifications                    |                            |
|--|----------------------------|
| Dimensions (mm)                              | 120 (L) x 13 (W) x 0.5 (H) |
| Environmental Conditions                     |                            |
| Operation Temperature ( $^{\circ}\text{C}$ ) | -40 ~ +85                  |
| Storage Temperature ( $^{\circ}\text{C}$ )   | -5 ~ +40                   |
| Relative Humidity                            | 10 ~ 70 %                  |

## Mechanical Dimensions (unit : mm)



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