

# APPROVAL SHEET

**Metal ANTENNA**

**863~928 MHz Working Frequency**

**Halogens Free Product**

**P/N: RFMTA010504NNRB002**

Customer : \_\_\_\_\_  
Customer 's Part No. : \_\_\_\_\_  
Approval No. : \_\_\_\_\_  
Issue Date : \_\_\_\_\_

\*Contents in this sheet are subject to change without prior notice.

| Version | Date         | Description | Author |
|---------|--------------|-------------|--------|
| V01     | 2017<br>May. | New Release | PIPI   |
|         |              |             |        |
|         |              |             |        |
|         |              |             |        |
|         |              |             |        |
|         |              |             |        |

**ELECTRICAL CHARACTERISTICS**

| Item                    | Specification                                    |
|-------------------------|--------------------------------------------------|
| Working Frequency Range | 863~928 MHz (Note-1)                             |
| Impedance               | 50 Ohm Nominal                                   |
| VSWR                    | 863~872MHz : 1.5 (MAX)<br>907~928MHz : 2.0 (MAX) |
| Return Loss             | -10 dB (Max)                                     |
| Radiation               | Omni-directional                                 |
| Peak Gain               | 863~872MHz : 1.64dBi<br>907~928MHz : 2.05 dBi    |
| Polarization            | Linear Vertical                                  |
| Admitted Power          | 1W                                               |
| Weight                  | 0.46g $\pm$ 1%                                   |

\*Note 1. Central Frequency should be defined after customers' application approval.

**MATERIAL TABLE**

| Items   | Description                       |
|---------|-----------------------------------|
| Antenna | Phosphor Bronze $\varnothing$ 0.8 |

**ORDERING RULE**

| RF               | MTA                | 0105                                                                           | 04                                                            | N                                                                                                                                      | N                                                                       | R                                                                                                                                                                                        | B                         | 0                                                                                                       | 02                  |
|------------------|--------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
| Type Code        | Product Code       | Metal Dimension (Unit: mm)                                                     | Cable Length (unit: cm)                                       | Connector Brand                                                                                                                        | Type of Connector                                                       | Application                                                                                                                                                                              | Project status            | Wire Diameter                                                                                           | Project             |
| Walsin RF Device | MTA: Metal Antenna | Per 2 digits of length, width<br>e.g.:3512<br>Length 35.00mm,<br>Width 12.80mm | 2 digits for cable length<br>e.g.:04<br>Cable Length : 2.85cm | A: N<br>C:MCX<br>D:IPEX III<br>E: IPEX IV<br>F: IPEX A13<br>H: Hirose<br>I: IPEX<br>M: MMCX<br>S: SMA<br>T: TNC<br>U:MURATA<br>N: None | A: Reverse Female<br>B: Reverse Male<br>F: Female<br>M: Male<br>N: None | 0: 0GHz<br>3: 3GHz<br>5: 5 GHz<br>6: 6GHz<br>A: 2.4GHz ISM band<br>B: GSM 900/1800 dual band<br>G: GPS band<br>L: 2.4/5.2/5.8 GHz tri-band<br>N: NFC band<br>T:LTE band<br>W: WCDMA band | B: MP Test<br>X: Pile Run | 0:None<br>1: $\varnothing$ 0.81<br>3: $\varnothing$ 1.13<br>6:RG316<br>7: $\varnothing$ 1.37<br>8:RG178 | 01~99 series number |

## DIMENSIONS

