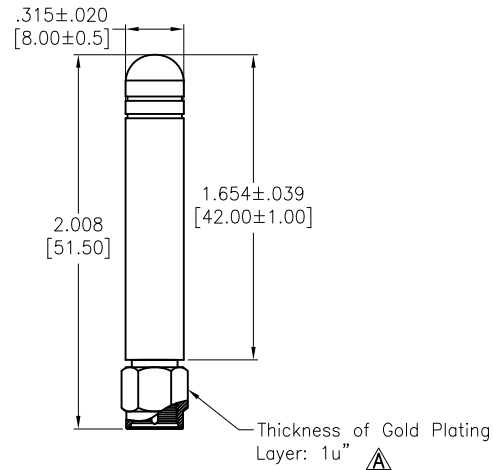


APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

| Rev | AWO # | Description | Date     | Appr  |
|-----|-------|-------------|----------|-------|
| -   |       | RELEASED    | 12/15/21 |       |
| A   |       | ADDED SPEC. | 8/11/22  | LH/TW |



#### SPECIFICATIONS:

##### Material:

|          |     |       |
|----------|-----|-------|
| noumenon | ABS | Black |
|----------|-----|-------|

##### Electrical:

| Standards             | 3G&2G&NB-IoT     |                  |
|-----------------------|------------------|------------------|
| Frequency range (MHz) | 698~960MHz       | 1710~2170MHz     |
| Peak Gain (dBi)       | -4.5~4.0         | 0~4.0            |
| Average Gain(dB)      | -10.0~-1.8       | -6.4~-3.6        |
| VSWR                  | <5.0             | <10.0            |
| Return Loss(dB)       | <-3.5            | <-1.5            |
| Efficiency (%)        | 10.0~66.0        | 23.0~44.0        |
| Polarization mode     | Linear           | Linear           |
| Radiation pattern     | Omni-Directional | Omni-Directional |
| Output impedance (Ω)  | 50               | 50               |
| Max. Input Power(W)   | 25               | 25               |

##### Mechanical:

|                            |                                           |
|----------------------------|-------------------------------------------|
| Mounting Type              | Connector Mount                           |
| Connector Type             | SMA-Male Standard(Straight) Color: Yellow |
| Antenna size(mm)           | 51.5Xφ8mm                                 |
| Material                   | ABS                                       |
| Operating Temperature (°C) | - 40 °C ~ + 85 °C                         |
| Storage Temperature(°C)    | - 40 °C ~ + 85 °C                         |

Environmental:  
Lead free, RoHS compliant.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

| INCHES |        | HOLES |       |
|--------|--------|-------|-------|
| .X     | ± .10  | ØX    | ±.10  |
| .XX    | ± .020 | Ø.XX  | ±.015 |
| .XXX   | ± .015 | Ø.XXX | ±.010 |

|          |    |          |
|----------|----|----------|
| DRAWN    | JJ | 12/15/21 |
| CHECKED  | RC | 12/15/21 |
| APPROVED |    |          |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

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Fax: 908-687-5710

|                                                 |                           |              |           |
|-------------------------------------------------|---------------------------|--------------|-----------|
| TITLE<br>3G&2G EXTERNAL CONNECTOR MOUNT ANTENNA |                           |              | REV.<br>A |
| SIZE<br>X                                       | PART NO.<br>ANT-20287EB56 |              |           |
| REF: S00207C                                    | SCALE: NTS                | SHEET 1 OF 1 |           |