

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

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

#### SPECIFICATIONS:

##### Material:

|          |       |       |
|----------|-------|-------|
| SMA      | SMA-M | Gold  |
| Noumenon | ABS   | Black |

##### Electrical:

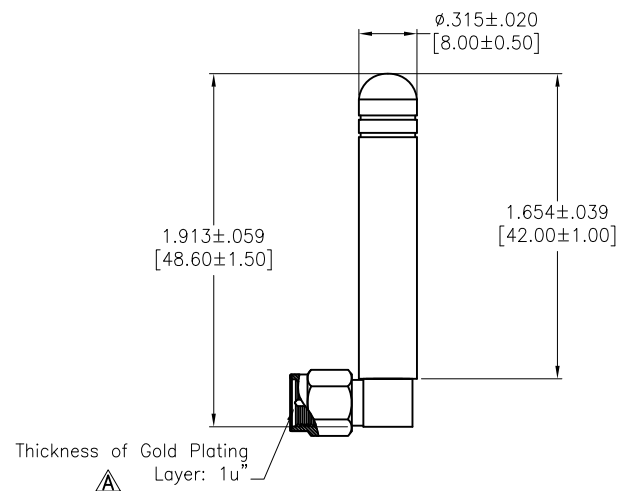
| Standards            | 4G&3G&2G&NB-IoT  |              |
|----------------------|------------------|--------------|
| Frequency range(MHz) | 698~960MHz       | 1710~2170MHz |
| Peak Gain            | -4.0~3.0dBi      | -0.5~3.5dBi  |
| Average Gain(dB)     | -9.5~-3.5dB      | -7.7~-4.0dB  |
| VSWR                 | <5.0             | <10.0        |
| Return Loss          | <-3.5            | <-1.5        |
| Efficiency (%)       | 11.0~45.0%       | 17.0~40.0%   |
| Polarization mode    | Linear           |              |
| Radiation pattern    | Omni-Directional |              |
| Output impedance     | 50               |              |
| Max.Input Power(W)   | 25               |              |

##### Mechanical:

|                       |                                 |
|-----------------------|---------------------------------|
| Mounting Type         | Connector Mount                 |
| Connector Type        | SMA-Male Standard (Raigt-Angle) |
| Antenna size(mm)      | 48.6Xø8mm                       |
| Material              | ABS                             |
| Operating Temperature | -40°C~+85°C                     |
| Storage Temperature   | -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  | ØXX ±.015  |
| .XXX ±.015 | ØXXX ±.010 |

|          |    |          |
|----------|----|----------|
| DRAWN    | WX | 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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|                                                      |               |            |              |
|------------------------------------------------------|---------------|------------|--------------|
| TITLE                                                |               |            |              |
| 2G 3G 4G EXTERNAL ANTENNA, RIGHT ANGLE WITH SMA MALE |               |            |              |
| SIZE                                                 | PART NO.      |            | REV.         |
| X                                                    | ANT-20284EB56 |            | A            |
| REF:                                                 | S00207C       | SCALE: NTS | SHEET 1 OF 1 |