

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:

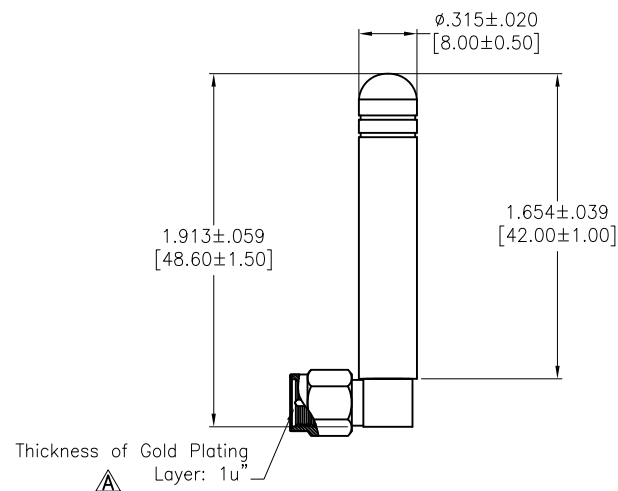
Standards	4G&3G&2G&NB-IoT	
Frequency range(MHz)	698~960MHz	1710~2170MHz
Peak Gain	-4.0~3.0dBi	-0.5~3.5dBi
Average Gain(dB)	-9.5~-3.5dB	-7.7~-4.0dB
VSWR	<5.0	<10.0
Return Loss	<-3.5	<-1.5
Efficiency (%)	11.0~45.0%	17.0~40.0%
Polarization mode	Linear	
Radiation pattern	Omni-Directional	
Output impedance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

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**ADAM**  
**TECH**

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

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