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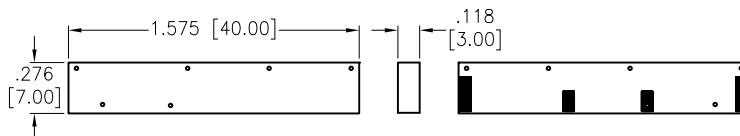
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APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	12/15/21	



SPECIFICATIONS:

Electrical:

Standards	4G/3G/2G/NB-IoT/CAT M1/GNSS				
Frequency range(MHz)	698~960MHz	1420~2700MHz	1559MHz	1575.42MHz	1602MHz
Peak Gain(dBi)	0.5~2.3	-0.9~5.5	4.2	3.8	3.4
Average Gain(dB)	-3.3~-1.2dB	-3.9~-0.9dB	-1.3	-1.5	-1.8
VSWR	<5.0	<5.0	2.3	2.2	2.1
Return Loss	<-3.5	<-3.5	-8.0	-8.4	-8.8
Efficiency (%)	47~76%	40~80%	74.5%	70.5%	66.3%
Polarization mode	Linear	Linear	Linear	Linear	Linear
Radiation pattern	Omni-Directional	Omni-Directional	Omni-Directional	Omni-Directional	Omni-Directional
Output impedance	50	50	50	50	50
Max.Input Power(W)	5	5	5	5	5

Mechanical:

Mounting Type	SMD
Antenna size(mm)	40.0(L)x7.0(W)x3.0(H)
Material	PCB
Operating Temperature	-40°C~+80°C
Storage Temperature	-40°C~+80°C

Environmental:

Lead free, RoHS compliant.

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

INCHES		HOLES	
.x	±.10	∅x	±.10
.xx	±.020	∅xx	±.015
.xxx	±.015	∅xxx	±.010

DRAWN	WX	12/15/21
CHECKED	RC	12/15/21
APPROVED		

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TECH

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TITLE		
4G & 3G & 2G & LPWA & GNSS SMD ANTENNA		
SIZE	PART NO.	REV.
X	ANT-200091B66	-
REF:	S00207C	SCALE: NTS SHEET 1 OF 1

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