

6

5

4

3

2

1

APPROVED: _____

DATE: _____ TITLE: _____

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

D

D

SPECIFICATIONS:

Material:

Component name	Material	Color
Cable	U.FL Standard	Black
FPC	FPC	Black

C

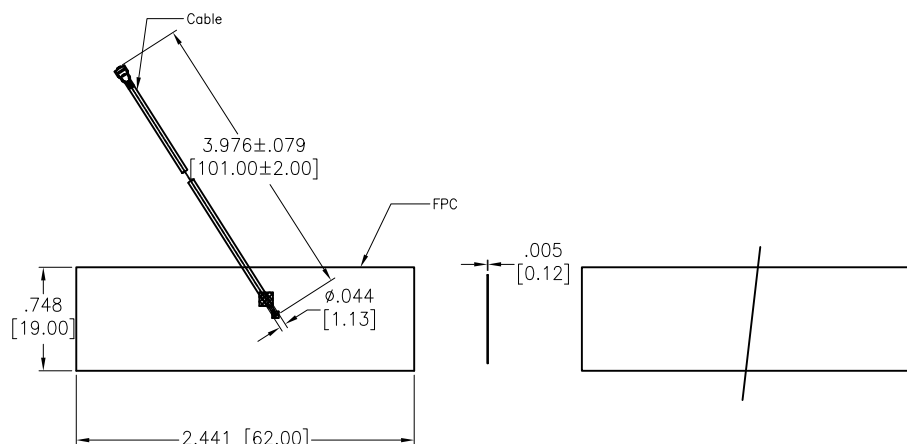
C

Electrical:

Standards	4G/3G/2GNB-Lot/CAT M1	
Frequency range(MHz)	824~960MHz	1710~2690MHz
Peak Gain	-3.5~0.5dBi	2.0~5.0dBi
Average Gain(dB)	-6.9~3.6dB	-3.0~-1.5dB
VSWR	<4.5	<2.8
Return Loss	<-4.0	<-6.5
Efficiency (%)	20~43%	50~70%
Polarization mode	Linear	
Radiation pattern	Omni-Directional	
Output impedance	50	
Max.Input Power(W)	5	

B

B



Mechanical:

Mounting Type	Adhesive
Antenna Type	3M9471
Connector Type	U.FL Standard
Antenna size(mm)	62.0mm(L)X19.0mm(W)X0.12mm(H)
Material	FPC
Cable length(mm)	101mm
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C

A

A

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

ADAM
TECH

 909 Rahway Avenue,
 Union, NJ 07083
 Phone: 908-687-5000
 Fax: 908-687-5710

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

 TITLE
 4G & 3G & 2G & LPWA FPC ADHESIVE ANTENNA

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

SIZE	PART NO.	REV.
X	ANT-190061B77	-
REF: S00207C	SCALE: NTS	SHEET 1 OF 1

6

5

4

3

2

1