

APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	12/20/21	
A		ADDED SPEC.	8/11/22	LH/TW

SPECIFICATIONS:
 Material:

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

Electrical:

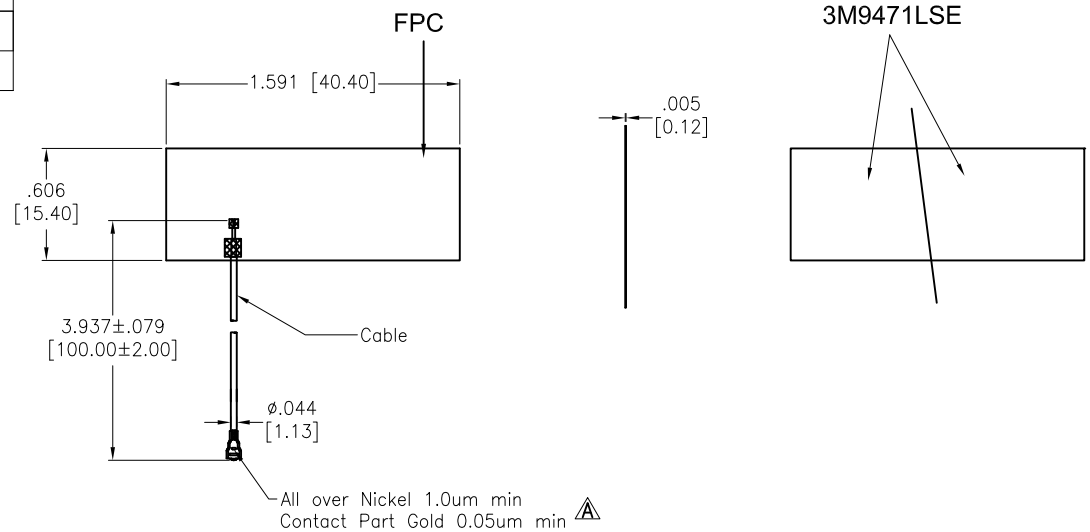
Standards	3G/2G	
Frequency range(MHz)	824~960MHz	1710~2170MHz
Peak Gain	-3.7~2.1dBi	2.2~6.5dBi
Average Gain(dB)	-6.8~5.7dB	-4.5~-3.0dB
VSWR	<4.5	<2.0
Return Loss	<-4.0	<-10.0
Efficiency (%)	20~27%	35~50%
Polarization mode	Linear	
Radiation pattern	Omni-Directional	
Output impedance	50	
Max.Input Power(W)	5	

Mechanical:

Mounting Type	Adhesive
Antenna Type	3M9471LSE
Connector Type	IPEX MHF1
Antenna size(mm)	40.4mmX15.40mm
Material	FPC
Cable length(mm)	100mm
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	ϕ .x	±.10
.xx	±.020	ϕ .xx	±.015
.xxx	±.015	ϕ .xxx	±.010

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DRAWN	WX	12/20/21
CHECKED	RC	12/20/21
APPROVED		

TITLE
 2G 3G LPWA RF ANTENNA, FLAT ADHESIVE TO IPEX MHF1

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-210171B77	A

REF: S00207C SCALE: NTS SHEET 1 OF 1