

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:

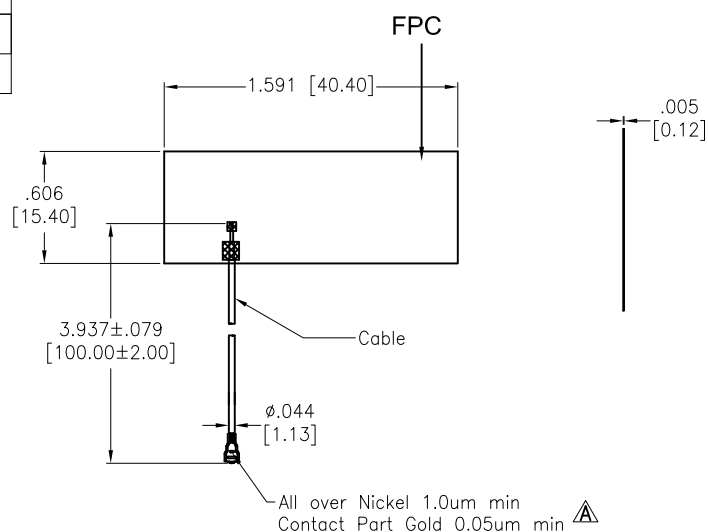
Standards	3G/2G	
Frequency range(MHz)	824~960MHz	1710~2170MHz
Peak Gain	-3.7~2.1dBi	2.2~6.5dBi
Average Gain(dB)	-6.8~5.7dB	-4.5~-3.0dB
VSWR	<4.5	<2.0
Return Loss	<-4.0	<-10.0
Efficiency (%)	20~27%	35~50%
Polarization mode	Linear	
Radiation pattern	Omni-Directional	
Output impedance	50	
Max.Input Power(W)	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	ØX ±.10
.XX ±.020	ØXX ±.015
.XXX ±.015	ØXXX ±.010

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

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ADAM
TECH

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

TITLE 2G 3G LPWA RF ANTENNA, FLAT ADHESIVE TO IPEX MHF1		
SIZE X	PART NO. ANT-210171B77	REV. A
REF: S00207C	SCALE: NTS	SHEET 1 OF 1