

APPROVED: _____
DATE: _____ TITLE: _____

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

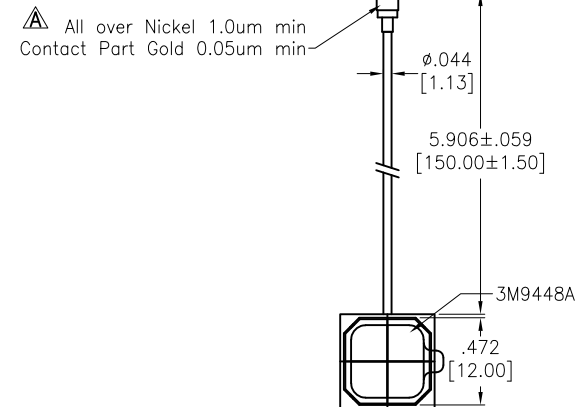
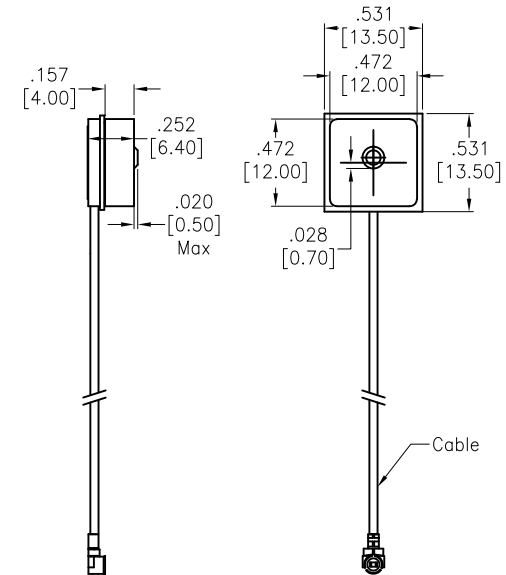
SPECIFICATIONS:
Electrical:

Standards	GPS/GLONASS	
Frequency range(MHz)	1575MHz	1609MHz
Peak Gain	2.04dBi	2.23dBi
Average Gain(dB)	-3.6dB	-3.4dB
VSWR	1.23	1.34
Return Loss	-19.61	-16.73
Efficiency (%)	43.3%	45.7%
Polarization mode	Circular polarization	
Radiation pattern	Hemispherical	
Voltage Range (V)	1.8~3.6V	
Active Gain (dB)	25	
Noise Figure (dB)	1.5	
Current Consumption (mA)	20	
Power Consumption (mA)	100	

Mechanical:

Mounting Type	Adhesive
Antenna Type	3M9448A
Connector Type	U.FL Standard
Antenna size(mm)	12mm(L)X12mm(W)X4.4mm(H)
Material	Ceramic
Cable length(mm)	150mm
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	Ø.X ± .10
.XX ± .020	Ø.XX ± .015
.XXX ± .015	Ø.XXX ± .010

DRAWN	WX	12/22/21
CHECKED	RC	12/22/21
APPROVED		

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TECH

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TITLE
12x12x4mm GNSS ACTIVE GPS PATCH ANTENNA,
ADHESIVE TYPE TO U.FL

SIZE X	PART NO. ANT-190751B93	REV. A
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REF: S00207C	SCALE: NTS	SHEET 1 OF 1
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