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APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev

AWO #

Description

Date

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RELEASED

12/15/21

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## SPECIFICATIONS:

## Material:

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

## 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                     |              |

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## Mechanical:

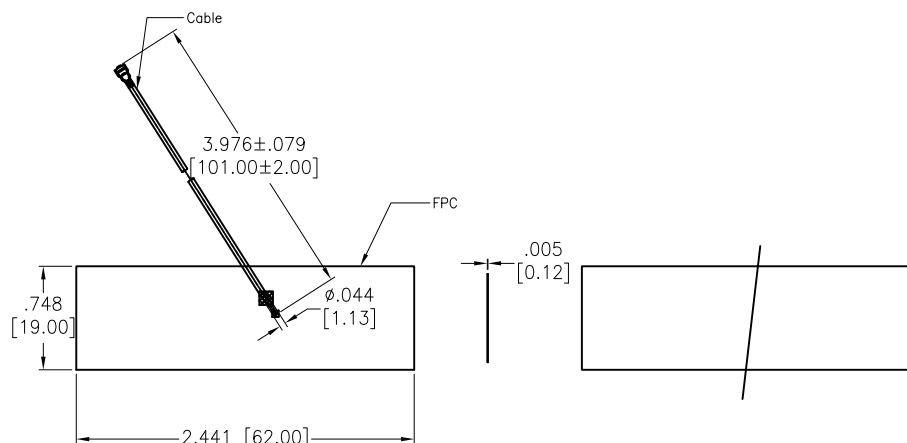
|                       |                               |
|-----------------------|-------------------------------|
| Mounting Type         | Adhesive                      |
| Antenna Type          | 3M9471                        |
| Connector Type        | U.FL Standard                 |
| Antenna size(mm)      | 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                   |

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## 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 |

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**ADAM**  
**TECH**

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

TITLE

4G &amp; 3G &amp; 2G &amp; LPWA FPC ADHESIVE ANTENNA

SIZE

X

PART NO.

ANT-190061B77

REV.

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REF: S00207C

SCALE: NTS

SHEET 1 OF 1

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