

# ME-SW-700-3800

## 2G/3G/4G/ISM/WIFI & GNSS

Part #: 189-00046-01



### Description

The ME-SW-700-3800 is a high performance very robust antenna solution. This is a surface screw mount antenna covering 698MHz – 3800MHz featuring N Type connector and seal ring. The ME-SW-700-3800 antenna is IP68 rated and therefore very suitable for challenging outdoor environments and installations.

The small size, high performance and rugged mechanical features such as the metal base make this antenna ideal for any 2G/3G/4G/ISM/Wi-Fi & GNSS IoT solutions.

### Electrical Specifications

Parameter	Specification
Frequency Range	698-960 - 3800 MHz
Impedance	50 $\Omega$
Gain	4.0 dB
V.S.W.R	$\leq 3.0$
Radiation	Omni-Directional
Polarization	Vertical

### Mechanical Specifications

Parameter	Specification
Antenna Dimensions	$\Phi$ 41 x 84 mm
Operating Temperature	- 40 °C to + 85 °C
Antenna Radome Material	PC + ABS
Connector	N Male
Waterproof	IP68

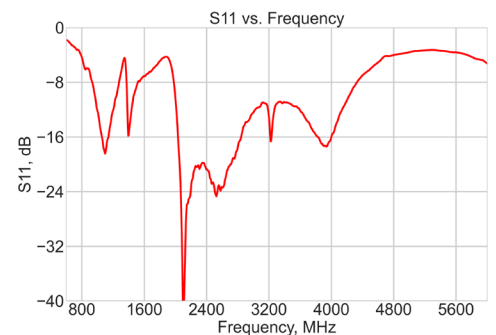
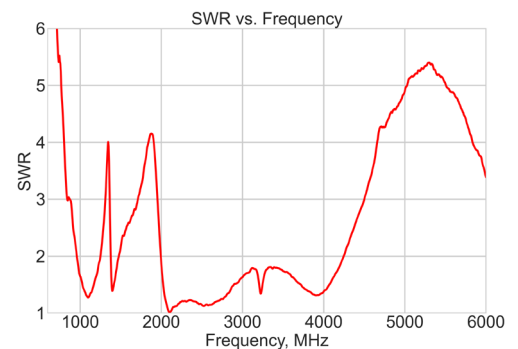
### Features

- 2G/3G/4G/ISM/Wi-Fi & GNSS frequency bands
- N Type connector & seal ring
- IP68 rated / UV protected
- Rugged industrial design
- Ground plane Independent

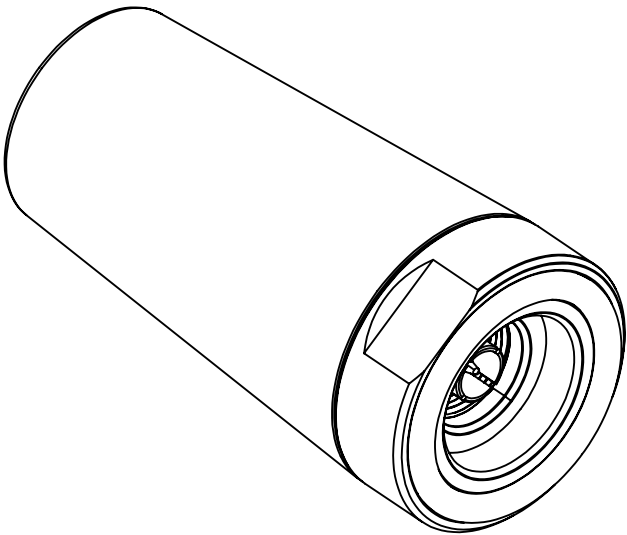
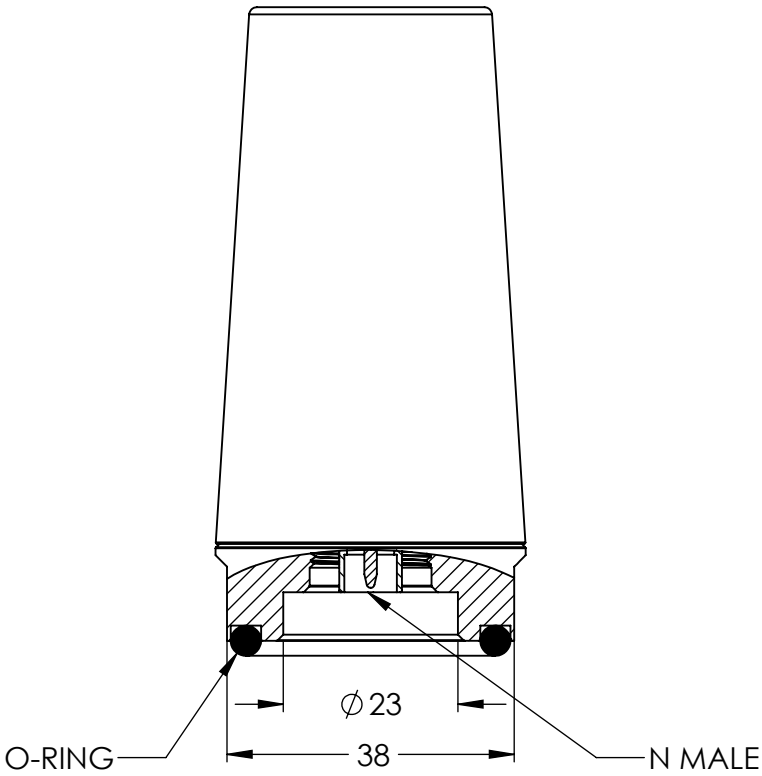
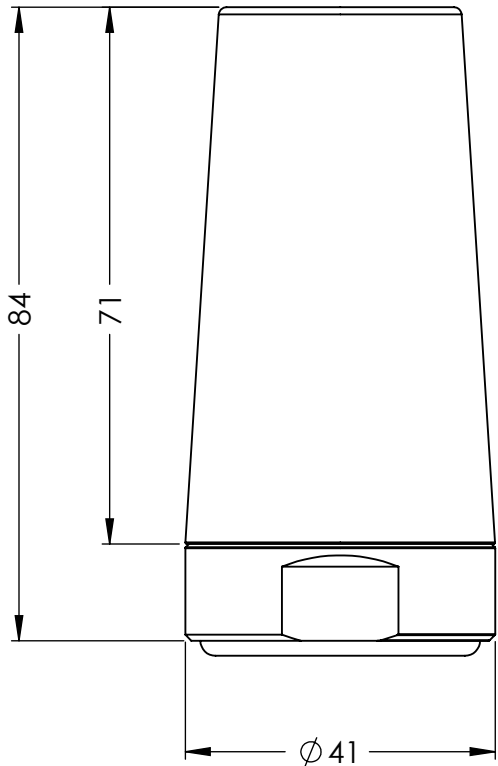
### Applications

- Industrial IoT
- Public Safety & Security
- Utilities & Smart Connected Cities
- Fleet Management & Tracking
- FirstNet

### Radiation Patterns




DRAWING REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2020-11-30	QZ



- NOTES:
- 1. FREQUENCY: 698-3800MHZ
  - 2. IMPENDACNE: 50 OHM
  - 3. V.S.W.R: ≤ 3.0
  - 4. GAIN: 4.0 dB
  - 5. POLARIZATION: VERTICAL
  - 6. RADIATION: OMNI
  - 7. RANDOME: PC+ABS
  - 8. CONNECTOR: N MALE
  - 9. WATERPROOF: IP68
  - 10. OPERATING TEMPERATURE: -40°C TO +85°C

ITEM 189-00046-01 REVISION HISTORY			
REV	DESCRIPTION	DATE	BY
A	INITIAL RELEASE	2020-11-30	QZ

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UNLESS OTHERWISE SPECIFIED:	NAME		DATE	MAXTENA, INC				
DIMENSIONS ARE IN MM TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± .5° BEND ± INTEGER: ± 2 ONE PLACE DECIMAL ± 1.0 TWO PLACE DECIMAL ± .50 INTERPRET GEOMETRIC TOLERANCING PER:	DRAWN	QZ	2020-11-30				TITLE:	189-00046-01 MEA-SW-700-3800
	CHECKED	ZX	2020-12-11					
	ENG APPR.	NPC	2020-12-11					
	MFG APPR.							
	Q.A.							
	CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.			SIZE	DWG. NO.	REV		
THIRD ANGLE PROJECTION				B	117-00372-01	A		
DO NOT SCALE DRAWING				CAGE CODE: 5KQH7		SCALE: NONE	SHEET 1 OF 1	

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