



## ISM Terminal Antenna

## SZW-N-1M08

ISM: 902-928MHz



**Name:** TRITON

**Part Number:** SZW-N-1M08

**Description:** Swivel antenna for ISM/LoRa applications

- Terminal antenna IP67
- Dimensions: 202 x Ø13 (mm)
- SMA (M) plug 0/45/90-degree swivel
- RoHS & Reach Compliant



SYNZEN  
PRECISION TECHNOLOGY LTD



## ISM Terminal Antenna

## SZW-N-1M08

ISM: 902-928MHz

### Description

A high-performance Terminal mount dipole antenna for 915MHz ISM/LoRa applications. Connection with a hinged SMA connector for adaptive mounting.

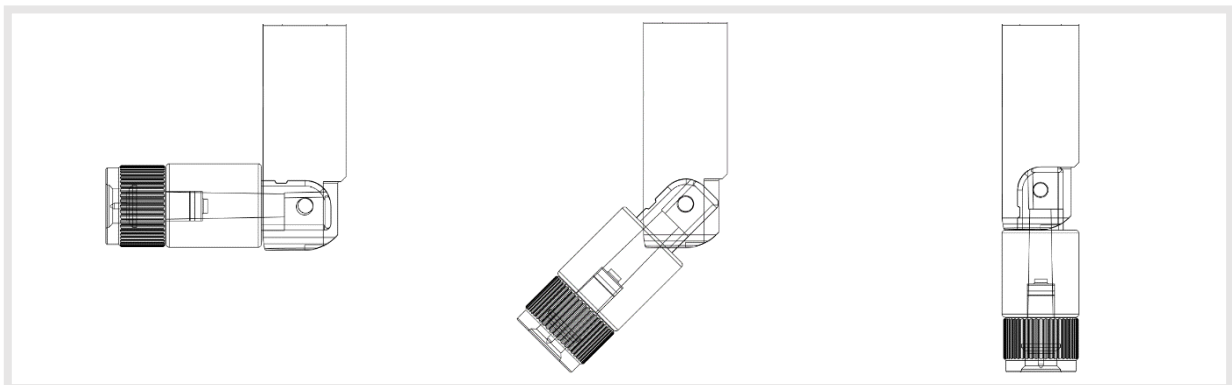
- Simple integration, plug and operate the device without designing onboard antenna.
- Alternate reverse SMA connector available upon request.
- Contact [sales@synzen.com.tw](mailto:sales@synzen.com.tw) for more information.

### Applications

Industrial/Scientific/Medical  
Smart Grid

M2M Industrial  
Remote Monitoring

Smart Meters  
Connected Enterprise





## General Specifications

### Mechanical Specifications

<b>Part Number</b>	SZW-N-1M08
<b>Name</b>	TRITON
<b>Dimensions</b>	L=202 x $\phi$ =13 (mm)
<b>Weight</b>	23.5g
<b>Antenna Type</b>	Terminal, Dipole
<b>IP level</b>	IP67
<b>Connector</b>	SMA (M) Plug
<b>Swivel</b>	3 position 0°/45°/90°

### RF Specifications

<b>Frequency Range (MHz)</b>	902-928
<b>Efficiency (%)</b>	>70%
<b>Peak Gain (dBi)</b>	2.00
<b>S11 (max) dB</b>	<-13.8
<b>VSWR (max)</b>	<1.6:1
<b>Impedance</b>	50 $\Omega$
<b>Polarization</b>	Vertical

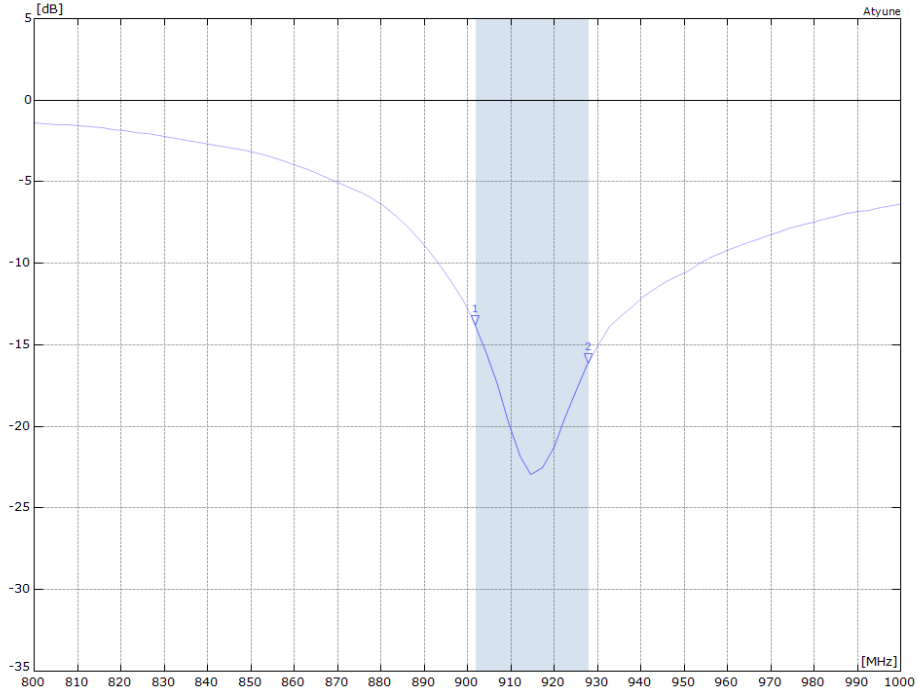
### Environmental Specifications

<b>Operational Temperature</b>	-30 to +70 (°C)
<b>Storage Temperature</b>	-40 to +80 (°C)

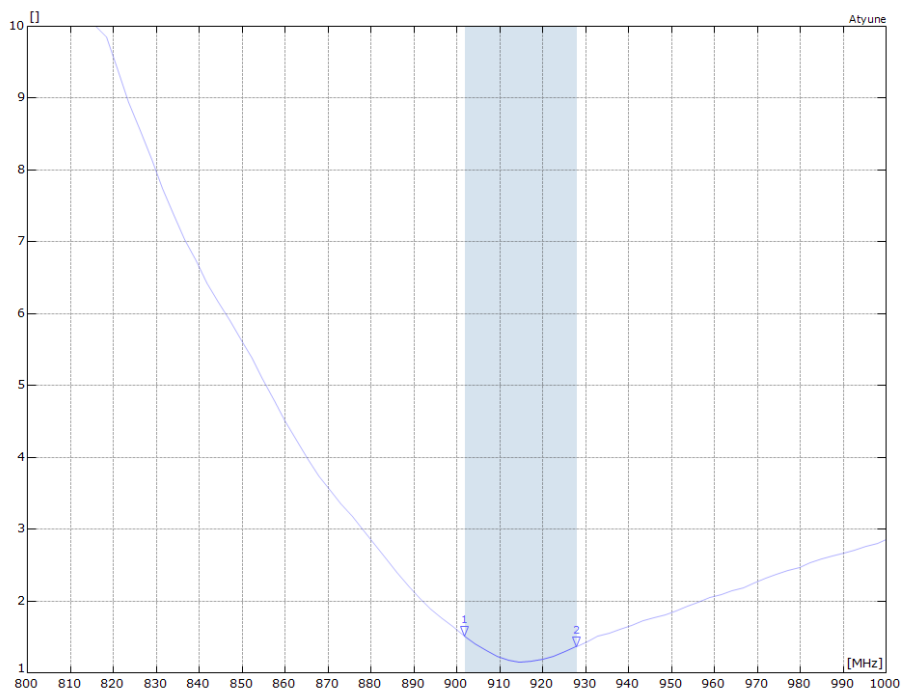


# RF Characteristics

## S11 Parameter



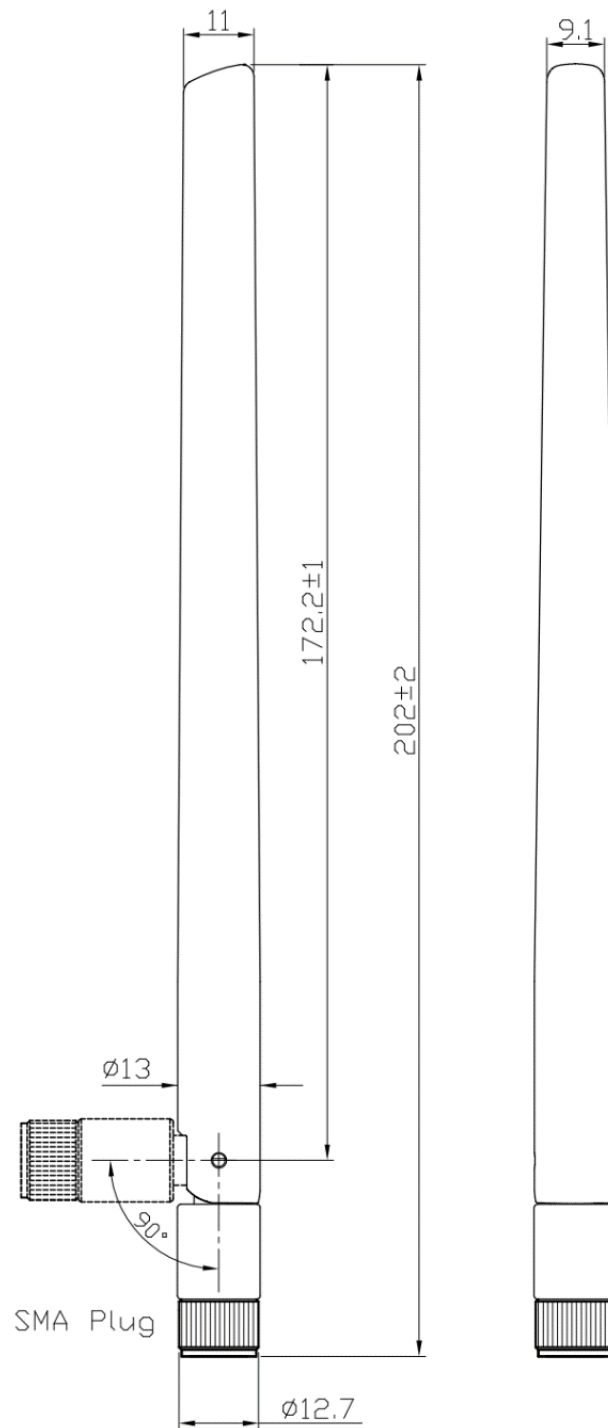
## VSWR





Mechanical

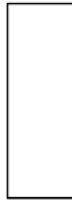
2D Drawing





## Packaging

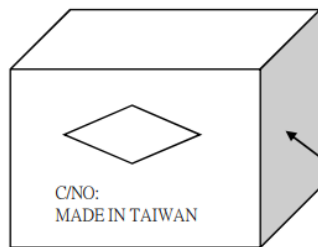
### Bag and Packaging Information



① 1pcs antenna / 1 PE bag  
PE bag size 50\*250mm



② 50pcs antenna / 1 PE bag  
PE bag size 280\*450mm



③ 200pcs antenna / 1 carton  
Carton size 320\*250\*290

MODEL No.:	
Q'ty:	PCS
N.W:	PCS
G.W:	PCS

### Label

SYNZEN PRECISION TECHNOLOGY	
Part Number:	SZW-N-1M08
Description :	ISM 915 Terminal Antenna SMA(M)
Name:	TRITON
Quantity:	200
Date Code:	YYWW
A3, 4F, No. 58, Zhouzi St, Neihu Dist., Taipei City, 11493, Taiwan	
Tel: +886 (02) 2659 8030 www.synzen.com.tw	



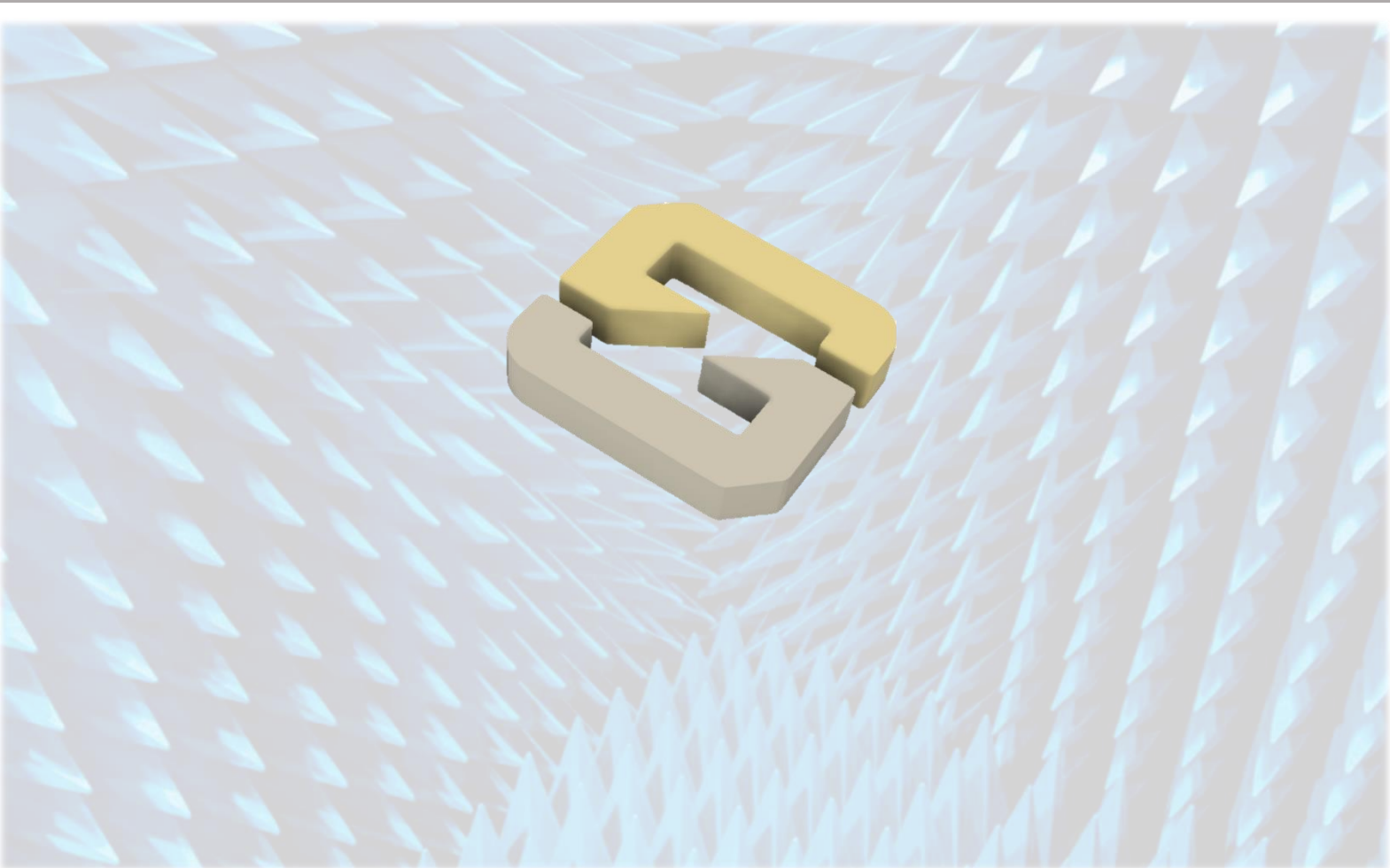
## Environmental

### Material Regulation

The antenna has been tested to conform to RoHS requirements. A certificate of conformance is available upon request.



## Synzen Precision Technology Ltd



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