

# PL-6115B-868

## (Datasheet)

<b>Type</b>	ISM/SRD860 PIFA antenna
<b>Frequencies</b>	ISM/SRD (868 MHz)
<b>Mounting</b>	Body Mount
<b>Revision</b>	01



# 1. SPECIFICATION

## 1.1. Electrical Specifications

Frequencies	ISM/SRD (868 MHz)
Impedance	50 Ohms
Polarization	Vertical
Gain***	3 dBi
VSWR*	<1.5:1
Power handling	50W
Operating temperature	-40°C to +85°C

\* Measured on 30x30cm ground plane

\*\* Depends on ground plane size

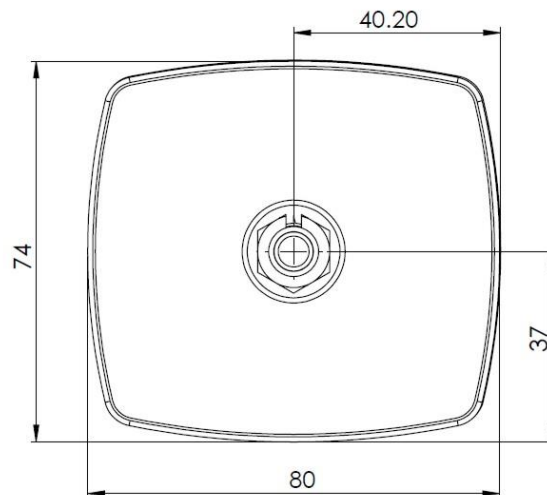
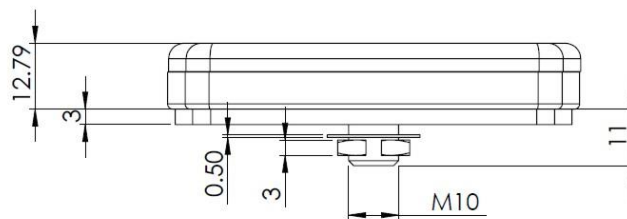
## 1.2. Connection Specifications

Connector type: SMA male  
 Cable: RG174U  
 Cable length: Upon request

For different cable length and connector type ask our sales team.

## 1.3. Mechanical Specifications and Dimensions

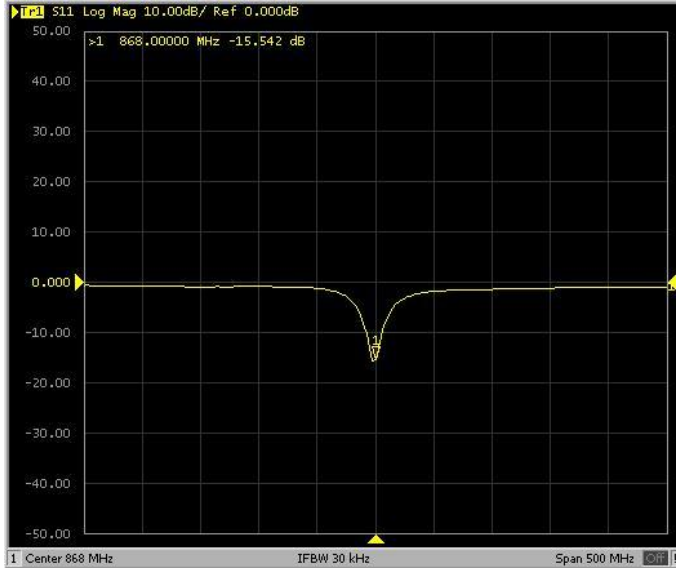
Material: ABS  
 Max. dimensions: 15.79 mm x 80 mm x 74 mm  
 Weight: 95 g 'weight counted with connection above'  
 Colour: Black (for different colours please ask our sales team)



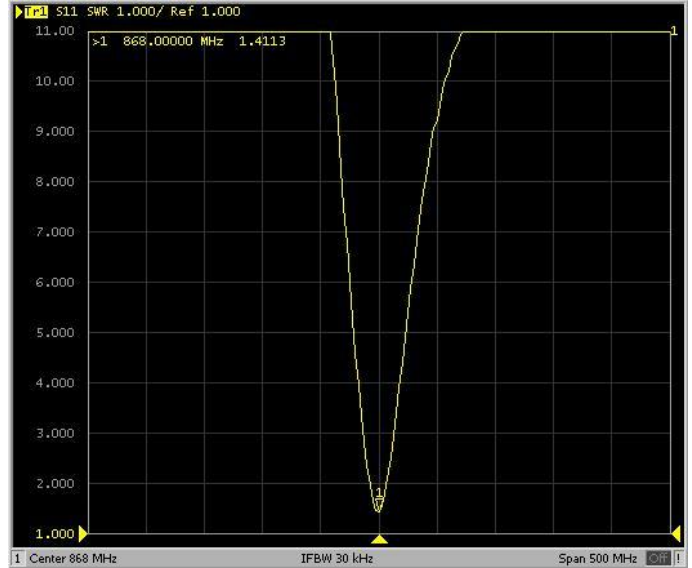
## 2. MEASUREMENT

- Measured with 15cm cable
- Antenna placed on 30x30cm ground plane

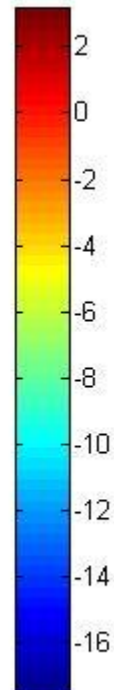
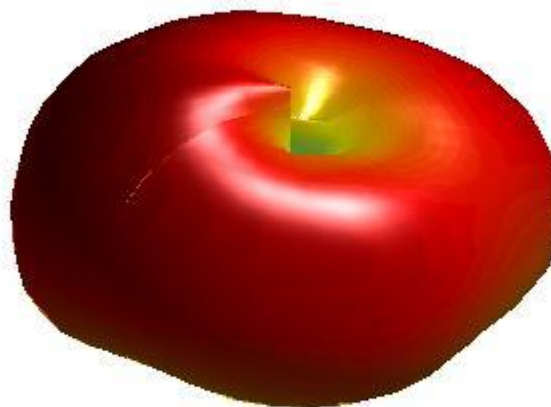
Log Mag (ISM 868MHz)

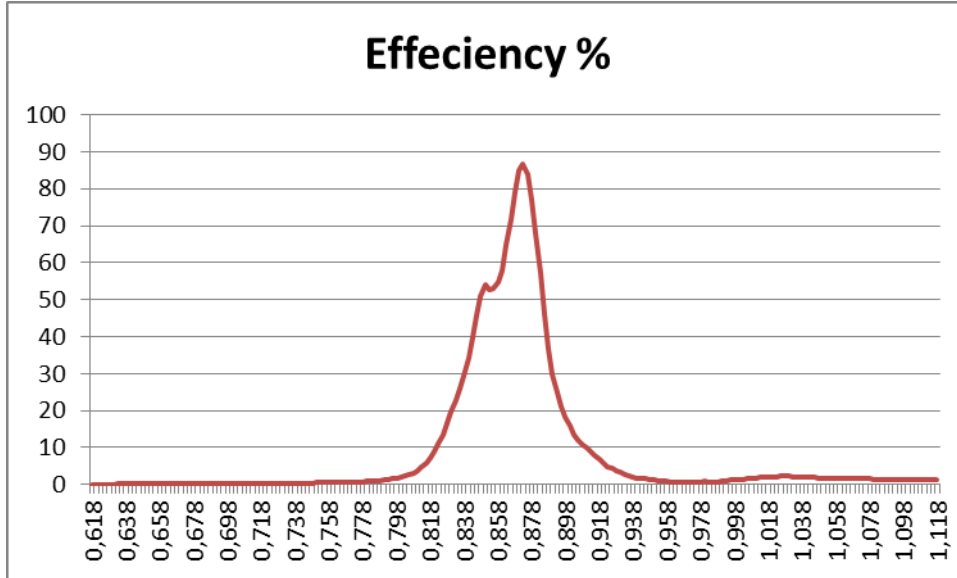


VSWR (ISM 868MHz)

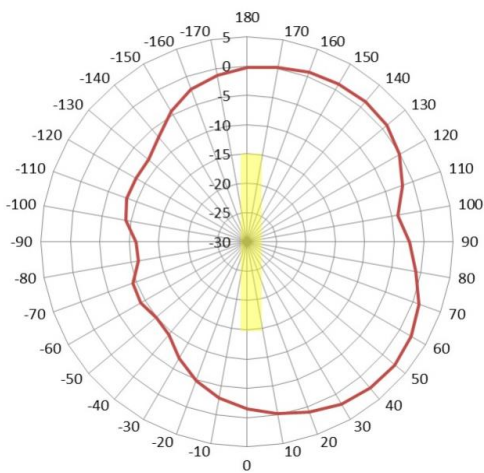


3D radiation pattern  
Freq = 0.8680GHz Az= 45 EL= 45

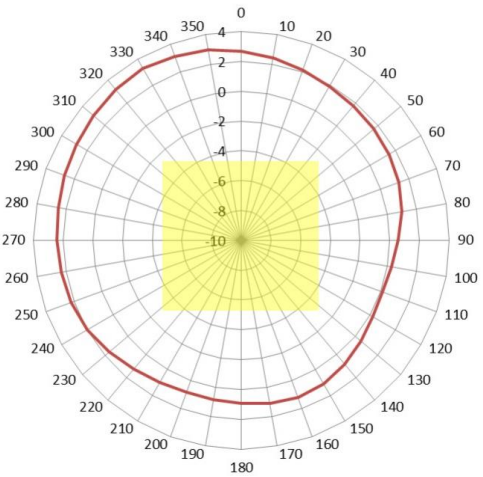




**Figure 1 - Antenna efficiency (%)**



**Figure 2 - Elevation (0-180 Top side)**



**Figure 3 - Azimuth**

### 3. IMAGES

