SWS003

PN: SW19030IA67

Features

- Antenna for 868MHz.
- Impedance 50 Ohm.

Applications:

- Antenna for 868MHz applications.

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1. Electrical Specification

Standard	ISM-868MHz
Frequency range (MHz)	868
Peak Gain (dBi)	2.0
Average Gain (dB)	-1.18
VSWR	1.18
Return Loss	-22.26
Efficiency (%)	76.1%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

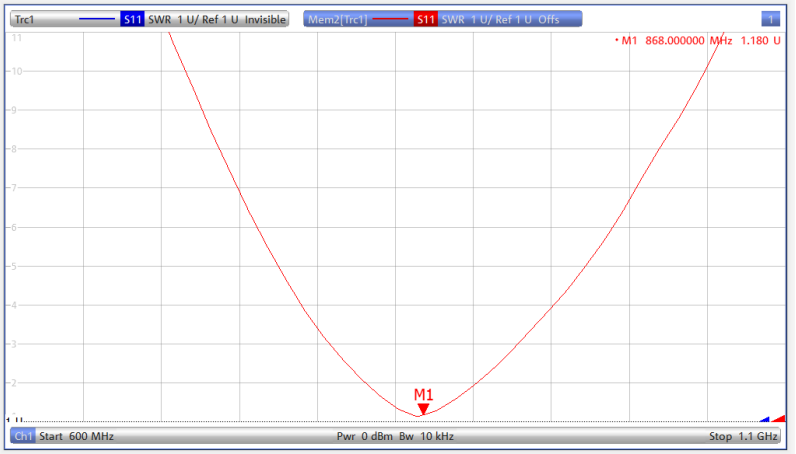
Mounting Type	Welding
Antenna size(mm)	φ5.8x 29.19 (H)
Material	Spring
Operating Temperature (˚C)	-40 ˚C ~ + 85 ˚C
Storage Temperature(˚C)	-40 ˚C ~ + 85 ˚C

3. Antenna parameters

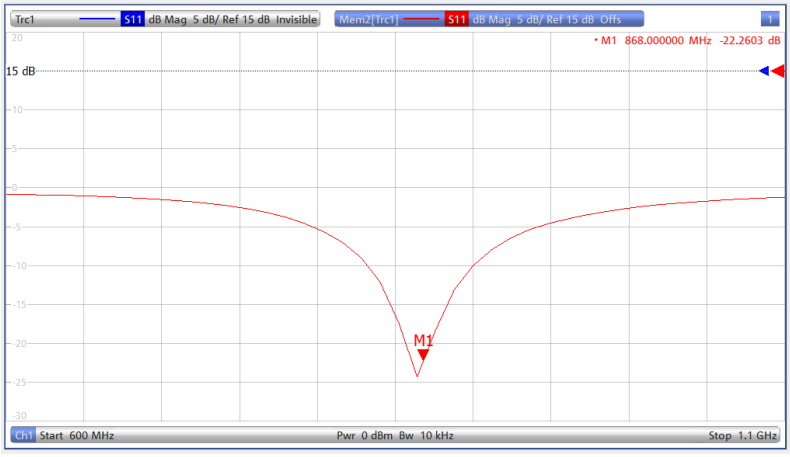
3.1 General Specification

FRE（MHz）	868
VSWR	1.18
Return Loss	-22.26
Eff (%)	76.1
Average Gain(dB)	-1.18

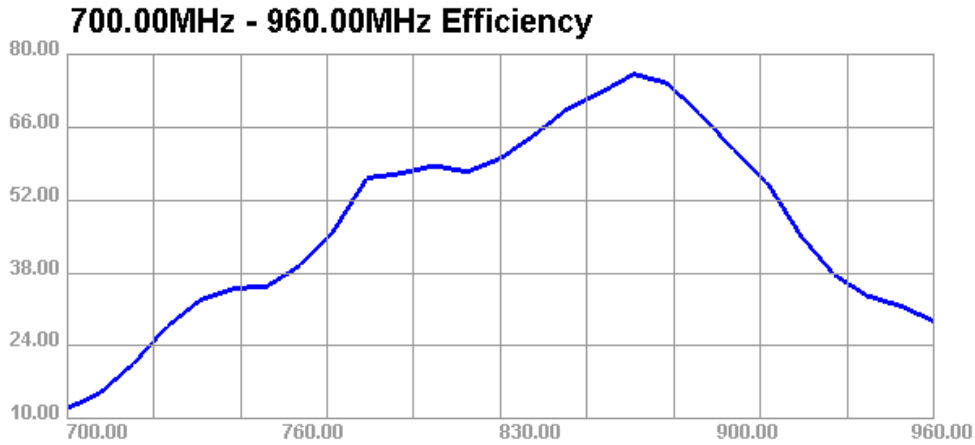
3.2 VSWR



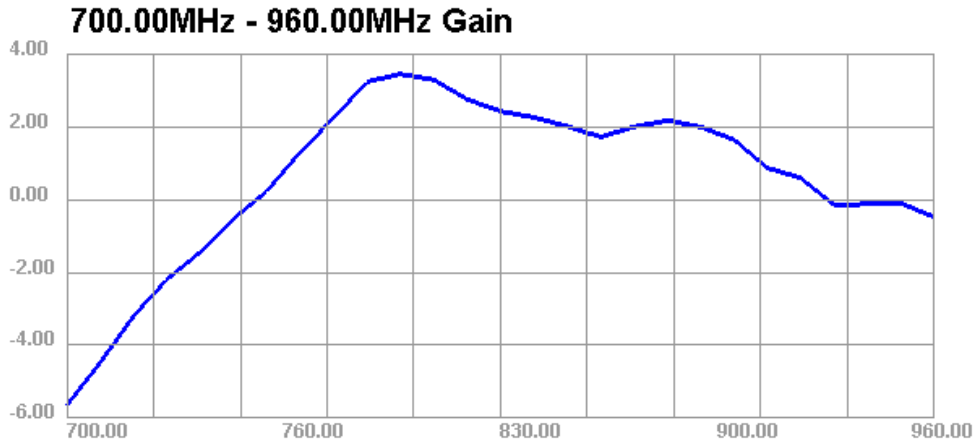
3.3 Return Loss



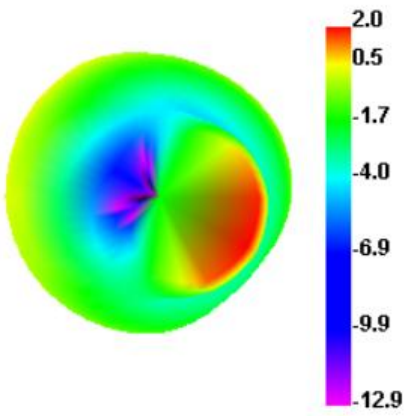
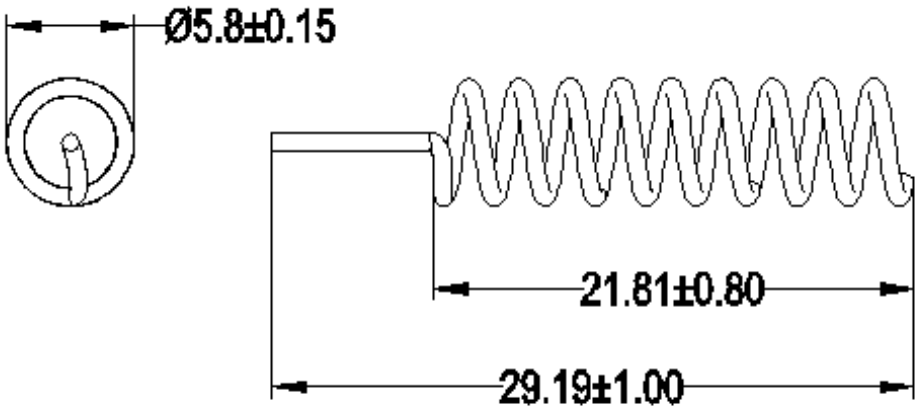
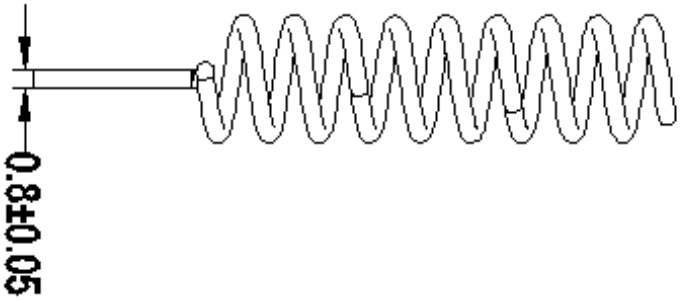
3.4 Efficiency



3.5 Gain



3.6 Directional Pattern



4. Antenna Drawing