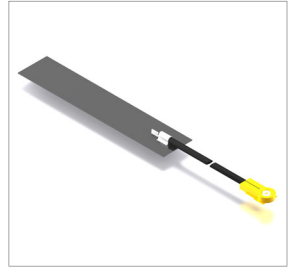


Features

- ISM Band
- PCB Type
- Stable And Reliable Performance
- 433MHz
- Compact Size With Efficient Reception

Applications

- IOT Applications
- Wireless Alarm And Security Systems
- Smart Meters
- Industrial Monitoring And Control
- LPD433



Part Numbering Guide

S AT PC 62A7AF IS B1

SUNTSU ANTENNA PCB ANTENNA PACKAGE SIZE* APPLICATION FREQUENCY

62A7AF = 62.0mm x 7.0mm x 0.5mm IS = ISM B1 = 433MHz

RoHS COMPLIANT

* Where letters denote decimal location (A=0, B=1, C=2, etc.); e.g. B5=0.15, 3A5=3.05, 9A=9.0

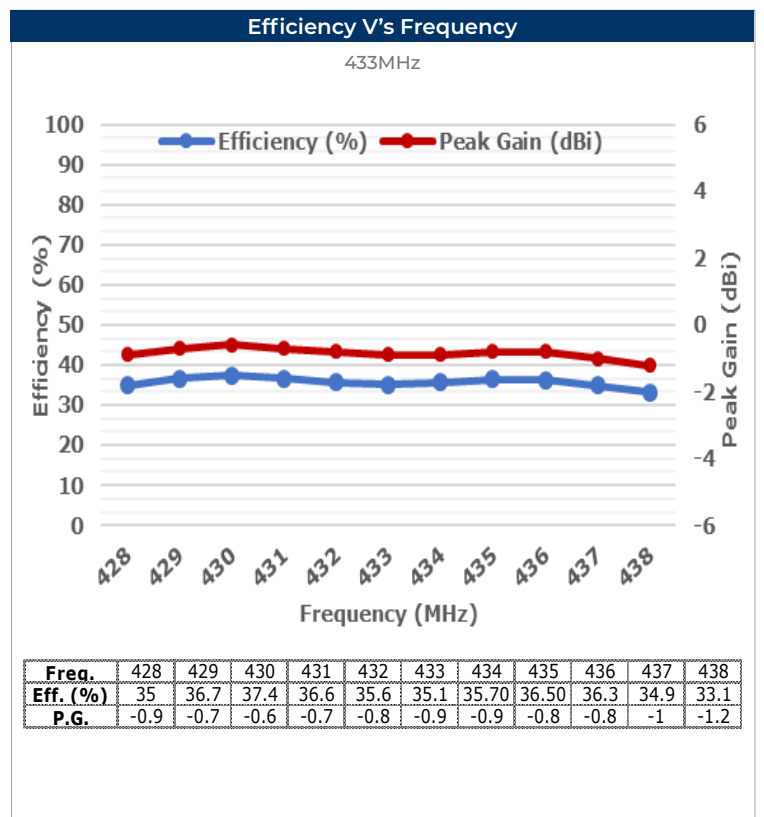
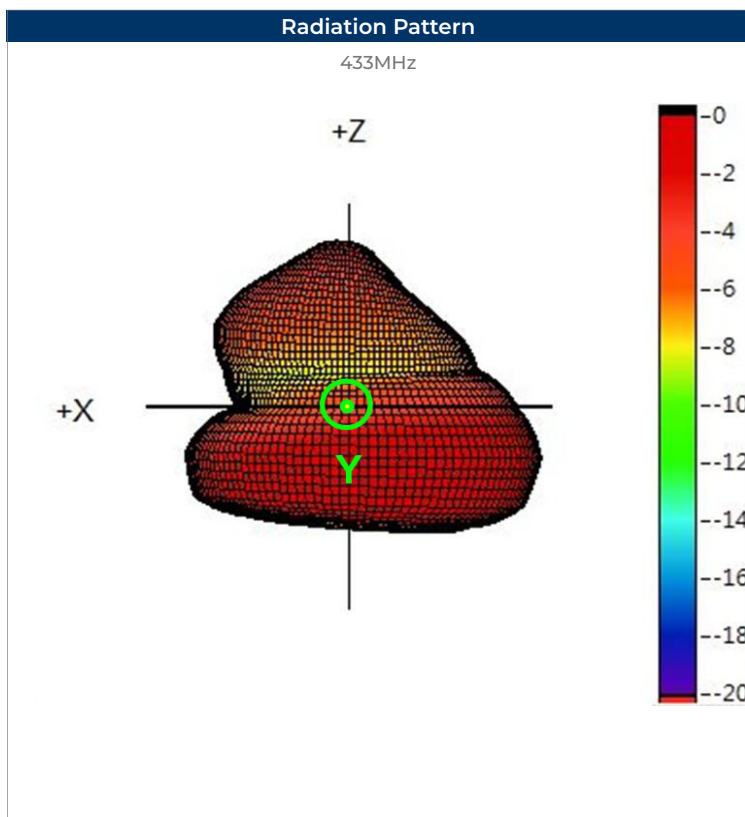
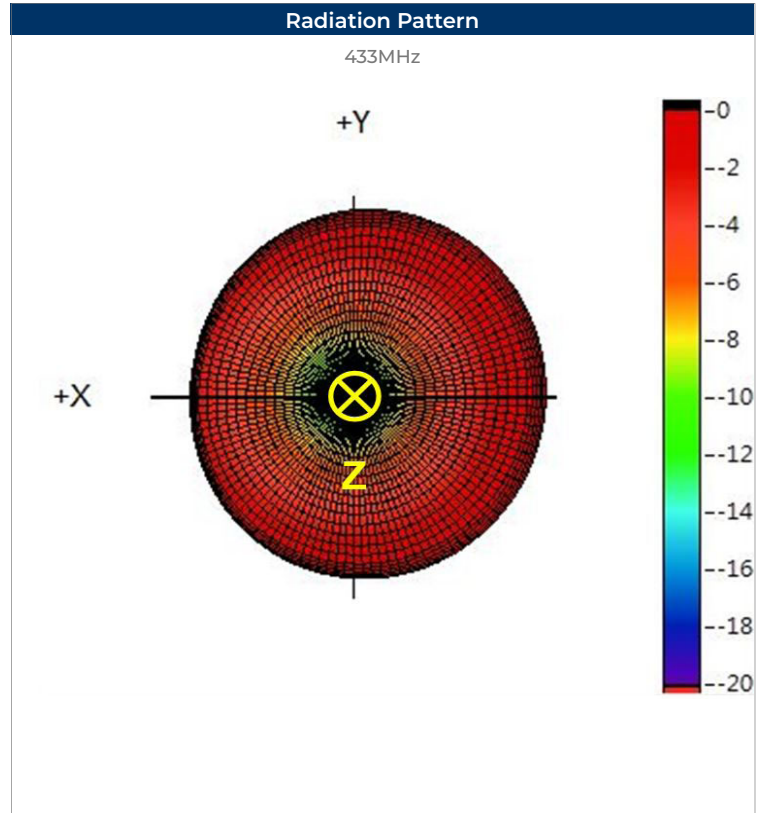
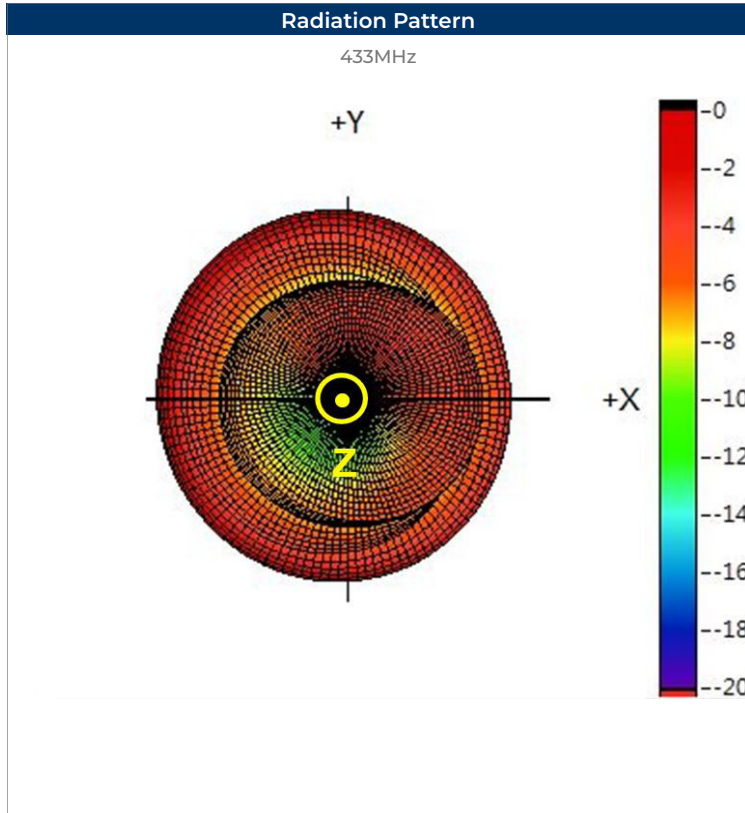
Electrical Parameters	Units	Minimum	Typical	Maximum	Remarks
Frequency Band	MHz		433		
Impedance	Ω		50		
Polarization			Linear		
Peak Gain	dBi		-0.8		At 433MHz
Efficiency	%		35		At 433MHz
VSWR				2	At Center Frequency
Operating Temperature	C	-40		85	

Outline Drawing

All dimensions are in millimeters (mm) unless otherwise noted. Drawings are not to scale.

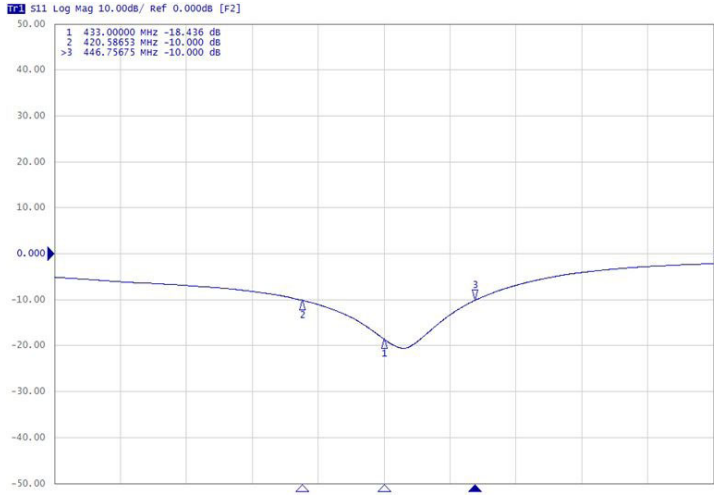
Dimensions: 62.0^{+2.0}/_{+2.0} mm length, 7.0^{+0.1}/_{+0.1} mm width, 92±5.0 mm total length including cable.

Item	Material
1	FR4 PCB
2	IPEX Connector and Cable with OD of 1.13
3	Adhesive Tape



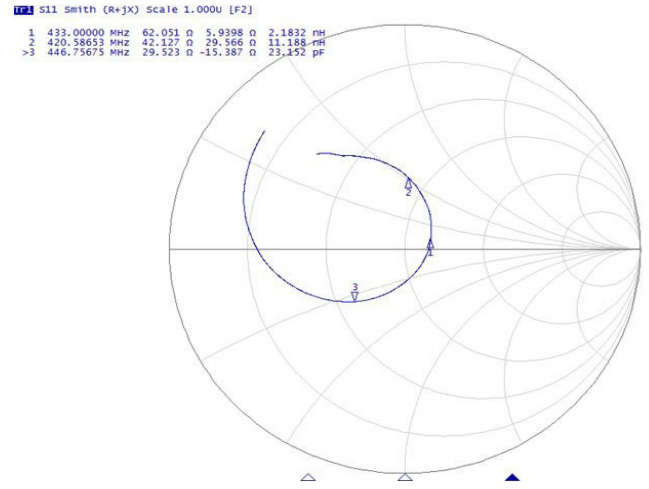
Electrical Test

Return Loss



Electrical Test

VSWR



Environmental & Mechanical Specifications

High Temperature Test	85°C for 240 hours, and then to normal temperature/humidity High Temperature Test for 24hours.
Low Temperature Test	-30°C for 240 hours, and then to normal temperature/humidity for 24hours.
Humidity Test	85°C / 90-95%RH for 48 hours, and then to normal temperature/humidity for 24hours.
Thermal Shock Test	-30°C for 30 min and +85°C for 30 min. 5 cycles, then expose to normal temperature/humidity for 24 hours or more.
Vibration Test	5 to 200 to 5Hz, swept in 10min, 4.5G at max(2mm amplitude), in X and Y directions for 2 hours each and in Z direction for 4 hours.