

# 433Mhz Antenna

## MODEL: HA-29



Model No	P/N
	HA-29-SMA(M)

Below is a table summarizing the antenna design specification.

### 1.1 Electrical Properties

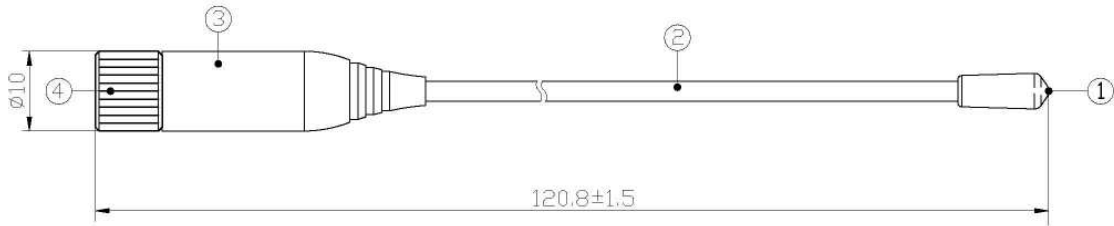
Parameter	Description
Frequency Band	433 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Note: Gain includes the cable loss	


### 1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA (Male)
Antenna Dimensions	120.8mm $\pm$ 1.5
Antenna Color	Black
Operating Temperature Range	-20°C~+60°C
Storage Temperature Range	-30°C~+70°C

## 1. Appearance

NO.	NAME	FINISH	Q, TY
01	TOP	Black	01
02	Stem guide	Black	01
03	Core tube	Black	01
04	SMA (Male)	Nickel plating	01



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
					433MHz	M/M		20090604
	TOLERANCE	X, XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	$\frac{S}{\sqrt{V}}$	APPEARANCE					

## 2. Frequency

