

# **A9dBi-FCC/ETSI**

## **RFID Intelligent High Gain Antenna**



**尺寸 Size: 245\*271\*28mm**

## 1. 性能 Specifications:

<b>电气性能 Electrical Specifications</b>	
频率范围 Frequency Range(MHz)	860-940Mhz
增益 Gain(dBi)	9dBi
半功率角 Beam Width(°)	Hor:65 Ver:65
驻波比 VSWR	≤1.3
阻抗 Impedance(Ω)	50
极化方式 Polarization( °)	圆极化 Circular polarization
轴比 axial ratio(dB)	≤3
最大功率 MAX.Power(W)	50
防雷保护 Lightning protection	直流接地 DC grounding

<b>机械性能 Mechanical Specifications</b>	
接头 Connector	SMA-K/SMA-J/TNC
接头位置 Connector position	侧面引出 Side lead-out
天线尺寸 Dimension(mm)	245*271*28mm
净重 Antenna weight(kg)	0.6
天线罩材料 Radome material	ABS
天线罩颜色 Radome color	白色 White
工作温度 Operating temperature(°C)	-40 ~ 55

## 2. 产品图片 Product Image:



## 3. 产品的功能及特点 Product features and functions

电气性能：适用于 UHF 频段 RFID 应用场合的通用型天线具有超宽频、高增益、低驻波、低轴比、高前后比等特点。

Electrical performance: The general-purpose antenna suitable for UHF band RFID applications has the characteristics of ultra-wideband, high gain, low standing wave, low axial ratio, and high front-to-back ratio.

机械性能：外形美观小巧、安装便捷。

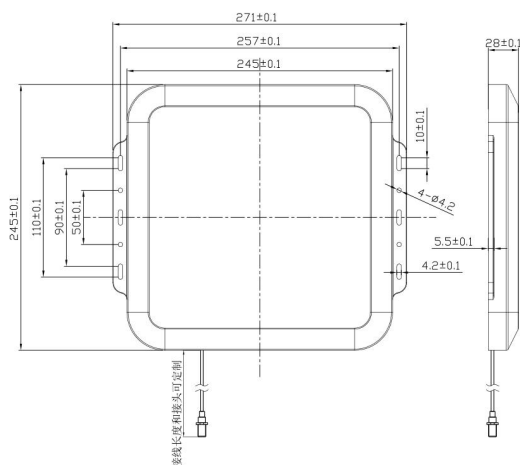
Mechanical properties: beautiful and compact appearance, easy to install.

主要用途及适用范围 Main Uses and Scope of Application:

高性能 9dbic 圆极化天线，可方便地应用档案文件柜、智能货柜、工具柜门禁、仓储物流、零售、等 UHF 频段的 RFID 场合中。

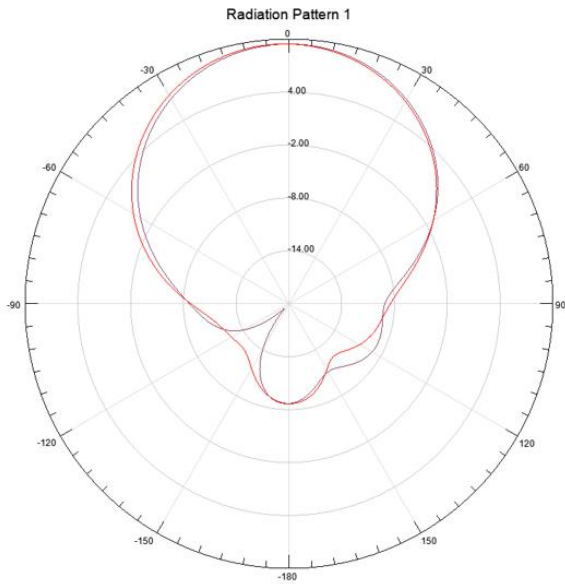
The high-performance 9dbic circularly polarized antenna can be easily used in RFID occasions in UHF bands such as file cabinets, smart cabinets, tool cabinet access control, warehousing and logistics, retail, etc.

## 4. 产品尺寸图 Product dimensions



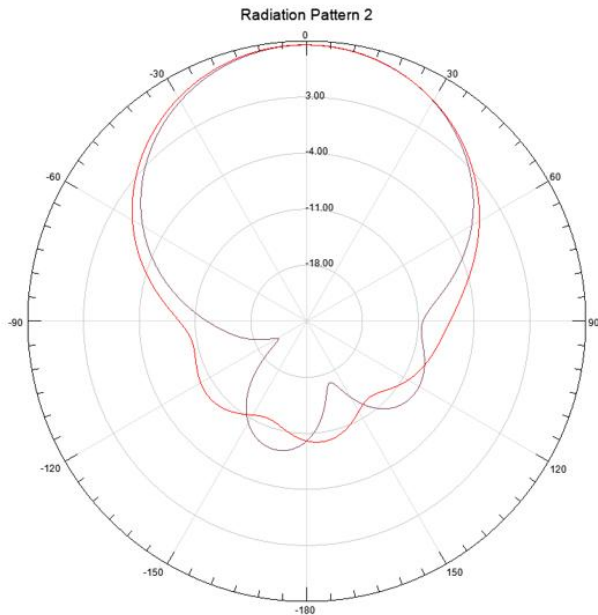
**5. 辐射方向图 Radiation Patterns**

866MHz



Curve Info	max	xdb10Beamwidth(3)
dB(RealizedGainTotal)		
Setup1: LastAdaptive	9.4572	64.9845
Freq=0.866GHz Phi=0deg		
dB(RealizedGainTotal)		
Setup1: LastAdaptive	9.4426	63.6739
Freq=0.866GHz Phi=90deg		

915MHz



Curve Info	max	xdb10Beamwidth(3)
dB(RealizedGainTotal)		
Setup2: LastAdaptive	9.5172	65.4348
Freq=0.915GHz Phi=0deg		
dB(RealizedGainTotal)		
Setup2: LastAdaptive	9.5148	62.3543
Freq=0.915GHz Phi=90deg		