



Sense Technology

UHF RFID 天 线

Vertical Polar Panel Antenna

产品型号 (Product Number) : SENSE-G900D-8

电性能 Electrical Specifications

工作频率	902- 928 MHz
增 益	8 dBi
水平 3dB 波束宽度	65°
垂直 3dB 波束宽度	68°
前 后 比	>25dB
极化	圆极化
输入阻抗	50 Ω
电压驻波比	< 1.2
功率容量	500 W
接头	N 型
三阶互调	<-150dBc
雷电防护	直流接地

机械性能 Mechanical Specifications

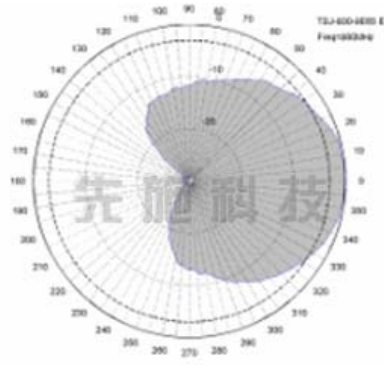
天线尺寸	280*280*60mm
天线重量	1.0kg
安装支架	万向墙装支架及立杆安装卡具, 任选一种
抱杆直径	Φ 50mm ~110mm
天线罩材	UPVC
水 平	60°
水平和俯仰可调节的角度	倾斜+30° 、水平 361°
抗风速	120km/h



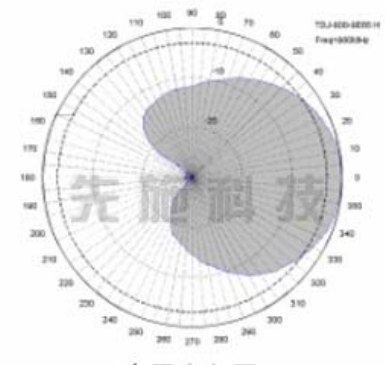
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垂直面方向图 Vertical Pattern

水平面方向图 Horizontal Pattern



垂直方向图



水平方向图

CS-771 Mono-static Antenna

Product Profile:

CS-771 mono-static antenna is a duplexed antenna (i.e., same antenna for transmit and receive). The antenna connects to one coaxial cable that links it to an antenna port of a RFID reader via a coaxial connector.

Features:

- Single antenna element
- Circular polarization
- 902 - 928 MHz frequency band operation
- Excellent matching for best RFID reading performance
- Ruggedized operation



Specifications:

Physical Characteristics:	Length: 30 cm; Width: 30 cm; Height: 4 cm Weight: 5 lbs
Mounting:	2 x 2 mounting stud, horizontal separation 5.875 inches, vertical separation 2.75 inches, 1/4 x 0.625 inch studs with 20 threads/inch threading
Environment:	Operating Temp: -20°C to 55°C (-4°F to 131°F) Storage Temp: -40°C to 85°C (-40°F to 185°F) Humidity: 5% to 95% relative, non-condensing
Frequency Range:	800 MHz or 900 MHz band
Polarization:	RHCP or LHCP
Axial Ratio:	Less than 2dB
Peak Linear Gain:	6dBiL
Front-to-back Ratio:	20dB
Gain Flatness:	0.5 dB
Beamwidth (3 dB):	54 degrees
Impedance:	50 ohms
Return Loss:	Better than 20 dB down
Input Power:	10 Watts
ESD:	10 kV (no ESD sensitive components)
Order Code:	LHCP: CS-771-L-P ; RHCP: CS-771-R-P (P=1 : 865-869 MHz; P=2 : 902-929 MHz; P=3 : 950-956 MHz)
Restrictions on Use:	Approvals, features and parameters may vary depending on country legislation and may change without notice.

Patent Pending

RFID Patch Antenna

860 - 960 Mhz, Circular Polarization

Product code: PATCH-A0025



This antenna covers both EU and USA RFID bands. The antenna has been designed to be waterproof and is easy to install. It is circularly polarised for reading in any orientation. It can be used for improved indoor GSM coverage, due to circular polarisation. VSWR is typically less than 1.2:1, giving a return loss better than 20dB.

Features:

- 860 - 960 MHz.
- Extremely low VSWR return loss .
- Circularly Polarised.
- Low axial ratio for optimum transmitted power.
- Wall mountable.

Application areas:

- RFID readers.
- UHF.

Specifications:

Product Code: PATCH-A0025

Electrical:

Gain (max)	7 dBi \pm 1dBi
Gain (min over frequency band)	6.5 dBi \pm 0,5 dBi
Input Frequency	860 - 960 MHz
VSWR	< 1.3:1
Axial ratio	< 1dB
Power handling	10 W
Polarisation	Circular
Input Impedance	50 Ohm (nominal)

Mechanical:

Dimensions	245 mm x 235 mm x 40 mm
Weight	470 g

Environmental:

Operating Temperature*	-20°C to +70°C
Max wind speed**	Calculated to 160km/h (without ice)
Rain***	IP 66 (Nema 4X)
Shock	40g for 10ms

* VSWR tested at min and max temperatures

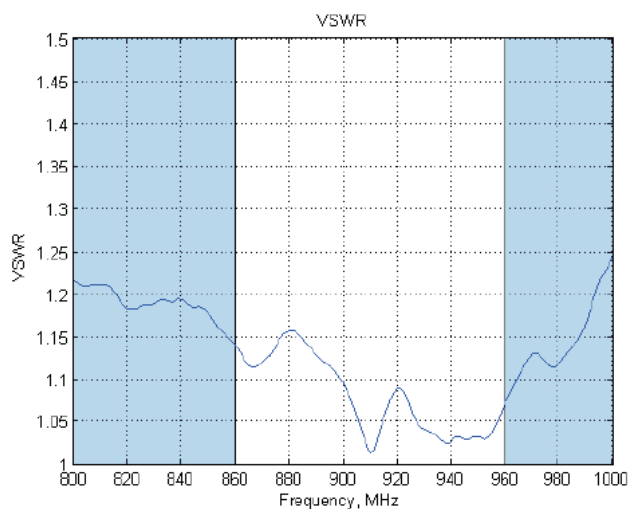
** Tested to 120km/h

*** VSWR and Gain measurements done 100mm \pm 10mm/hr

Specifications subject to change without notice

VSWR and Gain Measurements:

VSWR:



Gain

