



# S9025PL (LHCP) OUTDOOR RFID ANTENNA

The Vulcan RFID™ S9025PL (LHCP) Outdoor RFID Antenna is a high-performance outdoor RFID antenna that offers no-compromise performance in a small and efficient package.

At only 5.2" square, the Vulcan RFID™ S9025PL antenna offers a gain specification of 5.5 dBic and axial ratio better than 2 dB, providing the performance expected out of a much larger antenna, but in a compact size.

The Vulcan RFID™ S9025PL is mechanically robust, and it is less likely to be exposed to excessive damage by virtue of its reduced size.

The Vulcan RFID™ S9025PL's radiation pattern, size, and IP 67 rating make this antenna ideally suited for applications such as:

- Access Control
- Warehouses
- Distribution Center
- Airports
- Hospitals
- Transit Terminals





# Specifications

<b>ELECTRICAL</b>	Operating Frequency:	FCC (902-928 MHz)
	Polarization:	Left Hand Circular Polarization
	Gain:	5.5 dBi
	Elevation Beamwidth:	100°
	Azimuth Beamwidth:	100°
	Input Impedance:	50 Ω
	VSWR:	1.5:1
	Front-to-Back Ratio:	8 dB
	Axial Ratio:	2.0 dB Typical

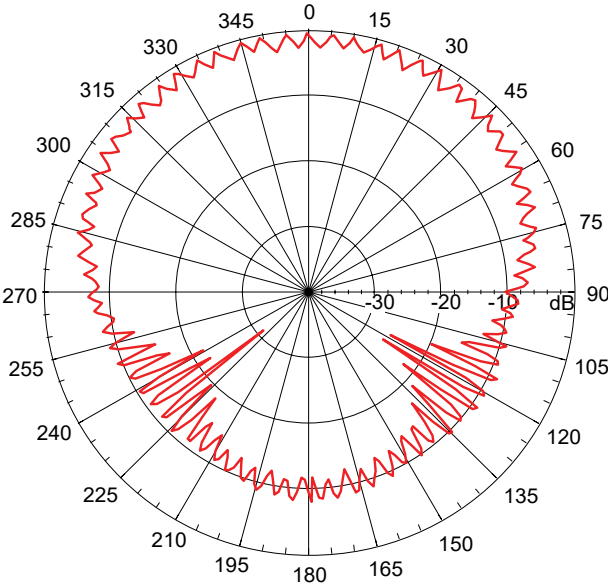
<b>MECHANICAL</b>	Connector Type:	N-Type Female (connects to N-Type Male)
	Mounting:	Threaded Stud 2x #10-32
	Cable:	Not Included
	Dimensions:	132 x 132 x 18 mm (5.2 x 5.2 x 0.71 in)
	Weight:	0.36 kg (0.80 lbs)
	Radome Material:	High Strength PC

<b>ENVIRONMENT</b>	Operating Temperature:	-30° to +70°C (-22° to +158°F)
	Storage Temperature:	-40° to 85°C (-40° to 185°F)
	Impact Resistance:	1 lbs. Ball Drop, 24"
	Salt:	MIL-STD-810
	Vibration:	MIL-STD-810
	Shock:	IEC 68-2-27
	Humidity:	IEC 68-2-30
	Lightning Protection:	DC Grounded
	IP Rating:	IP 67



# Diagrams

Radiation Pattern



910 MHz

# Accessories & Compatible Products

Vulcan RFID™



VUL-MAPPER

RFMAX™



ALLPMTE-001  
ALLPMTE-002

Vulcan RFID™



195-RP-TNC-M-N-Type-M-12  
195-RP-TNC-M-N-Type-M-25  
195-RP-TNC-M-N-Type-M-35

\*For custom cable connectors or lengths please [contact us](#).



# About Vulcan RFID™ Products

Vulcan RFID™ offers a broad range of innovative RFID antennas, RFID inlays, custom RFID tags, and accessories suited for a wide variety of industries and applications. With an extensive portfolio, Vulcan RFID™ products are manufactured to withstand environments ranging from mild to extreme. All Vulcan RFID™ products are thoroughly tested and built on a name you can trust. Vulcan RFID™ products enable you to reach and sustain high levels of performance with your UHF or NFC frequency application.



## Vulcan RFID™ Antennas

Vulcan RFID™ offers an extensive collection of UHF RFID antennas designed to maximize the RF performance and coverage area of an RFID system.

[Shop Now](#)



## Vulcan RFID™ Tags & Inlays

Vulcan RFID™ offers a broad range of RFID labels, tags and inlays built to withstand environments ranging from mild to extreme.

[Shop Now](#)



## Vulcan RFID™ Accessories

Vulcan RFID™ provides a variety of high-quality accessories, RF hardware, and cables.

[Shop Now](#)



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