



VUL-262006/TRH/A/K

UHF RFID ANTENNA

The Vulcan RFID™ VUL-262006/TRH/A/K (R C H P) Outdoor RFID Antenna measures in at 12x12 inches. This unit operates at **9 dBic gain**, covers 63 x 63 degrees beamwidth, and is an excellent choice for passive UHF RFID applications in the FCC band of 902-928 Mhz.

The VUL-262006 carries an **IP 67 rating** and is perfect for outdoor installations. It comes with a fixed RP-TNC female connector on the back plate and 4 threaded mounting studs.

The Vulcan RFID™ VUL-262006/TRH/A/K Outdoor RFID Antenna UHF RFID Antenna's rugged design makes this antenna ideal for RFID applications such as:

- Parking Gates
- Overhead Race Timing
- Distribution Center Yards





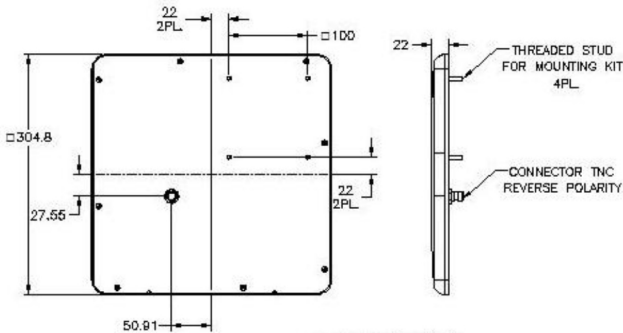
Specifications

ELECTRICAL	Operating Frequency:	FCC (902-928 MHz)
	Polarization:	Right Hand Circular Polarization
	Gain:	9.0 dBi (min), 9.0 dBil (max)
	Elevation Beamwidth:	63°
	Azimuth Beamwidth:	63°
	Input Impedance:	50 Ω
	VSWR:	1.3:1 (max)
	Front-to-Back Ratio:	-18 dB (max), -20 dB (typ)
	Axial Ratio At Boresight:	4 dB (max)
	Regulatory Compliance:	RoHS, CE0682
	Sidelobe Level @ 90°:	< -16 dB (max)
	Lightning Protection:	DC Grounded
MECHANICAL	Connector Type:	RP-TNC Female (Connects to RP-TNC Male)
	Mounting:	4 Threaded Studs
	Cable:	Not Included
	Dimensions:	305 x 305 x 25 mm (12 x 12 x 0.98 in)
	Weight:	1.2 kg (2.64 lbs)
	Radome Material:	Plastic UV Resistant per ETSI 300
	Base Plate Material:	Aluminum with Chemical Conversion Coating
ENVIRONMENT	Operating Temperature:	-55° to +71°C (-67° to +159.8°F)
	IP Rating:	IP 67
	Temperature Cycling:	IEC 68-2-14, 1h, -45° to +70° C (-49° to +158° F), 3 Cycles
	Thermal Shock Non-Operating:	-30° to +70° C (-22° to 158° F), Ramp 30° C/min (86° F/min)
	Humidity:	ETSI EN300-2-4, T4.1E, 144H, 95%
	Solar Radiation:	ASTM G53 1000h
	Ozone Resistance:	ETSI 300
	Flammability:	UL 94
	Salt Spray:	IEC 68-2-1 Ka 500h
	Ice & Snow:	25 mm Radial
	Wind Speed Survival:	220 Kh/m, 160 Kh/m
	Wind Load - Front Thrust:	28.6 Km
	Wind Load - Side Thrust:	2.2 Km
	Qusasi Random Vibration:	20 g rms for 4 Hours
	Vehicle Vibration Operating:	1 g, 10-500 Hz, in 2 Axis - 6 Hours Total, 2 hr in Each Axis. Accelerated Wear - an Additional 50 hrs in Worst Case Axis
	Mechanical Shock Operating:	10 g, 11 msec, Half Sine Pulse

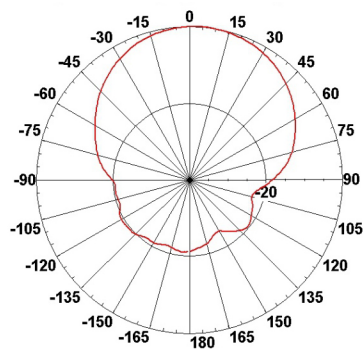


Diagrams

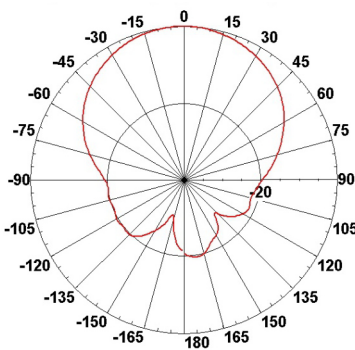
Dimensions (mm)



Azimuth Radiation Pattern



Elevation Radiation Pattern





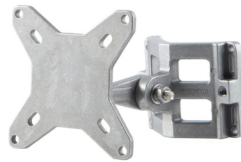
Accessories & Compatible Products

Vulcan RFID™



VUL-MAPPER

Vulcan RFID™



VUL-HDMNT-100MM

Vulcan RFID™



195-RP-TNC-M-RP-TNC-M-12
240-RP-TNC-M-RP-TNC-M-20
400-RP-TNC-M-RP-TNC-M-35

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



About Vulcan RFID™ Products

Vulcan RFID™ offers a broad range of innovative RFID readers, antennas, custom RFID tags, and accessories suited for a wide variety of industries and applications. Designed to deliver superior accuracy and reliability, Vulcan RFID™ products offer exceptional flexibility and performance. Vulcan RFID™ delivers an extensive product portfolio that includes both UHF and NFC products that support a large variety of market solutions. Manufactured to withstand environments ranging from mild to extreme, Vulcan RFID™ products enable end-users to reach and sustain high levels of performance in the UHF or NFC frequency bands.



Vulcan RFID™ Readers

Vulcan RFID™ offers high-performance RFID readers that are easy to install, configure, and integrate.

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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.

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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.

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Vulcan RFID™ Accessories

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

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