



# VUL-262002/TRH/A/K

## UHF RFID ANTENNA

---

The Vulcan RFID™ VUL-262006/TRH/A/K (RCHP) 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





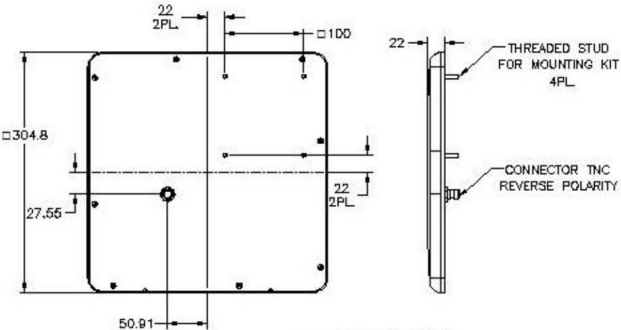
# Specifications

<b>ELECTRICAL</b>	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), -20dB (typ)
	Axial Ratio At Boresight:	4dB (max)
	Regulatory Compliance:	RoHS, CE0682
	Sidelobe Level @ 90°:	< -16 dB (max)
	Lightning Proteciton:	DC Grounded
<b>MECHANICAL</b>	Connector Type:	RP-TNC female (connects to RP-TNC male)
	Mounting:	4 Threaded Studs
	Cable:	Not Included
	Radome Material:	Plastic UV Resistant per ETSI 300
	Base Plate Material:	Aluminum with Chemical Conversion Coating
	Dimensions:	305 x 305 x 25 mm (12 x 12 x 0.98 in)
	Weight:	1.2 kg (2.64 lbs)
<b>ENVIRONMENT</b>	Operating Temperature:	-55° to +71°C (-67° to +159.8°F)
	IP Rating:	IP 67
	Temp. 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°/min)
	Humidty:	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:	25mm 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:	20g rms For 4 Hours
	Vehicle Vibration Operating:	1g, 10-500 Hz, in 3 axis - 6 hours total, 2 hr in each axis. Accelerated wear - an additional 50hrs in worst case axis.
Mechanical Shock Operating:	10g, 11msec, half sine pulse	

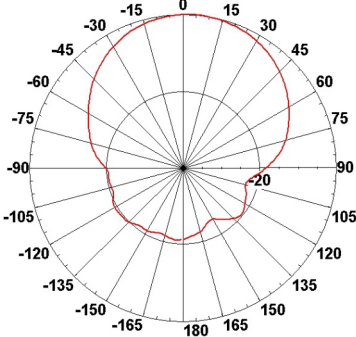


# Diagrams

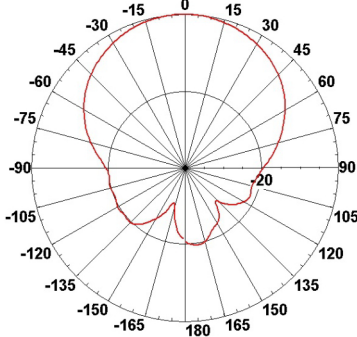
Dimensions (mm)



Azimuth Radiation Pattern



Elevation Radiation Pattern



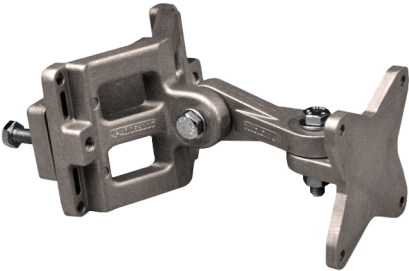
# Accessories & Compatible Products

Vulcan RFID™



VUL-MAPPER

MTI Wireless Edge



MT-120018

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 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](#)



Inside USA  
**1 (888) 238-1155**

Outside USA  
**1 (205) 383-2244**

info@atlasRFIDstore.com  
www.atlasRFIDstore.com