



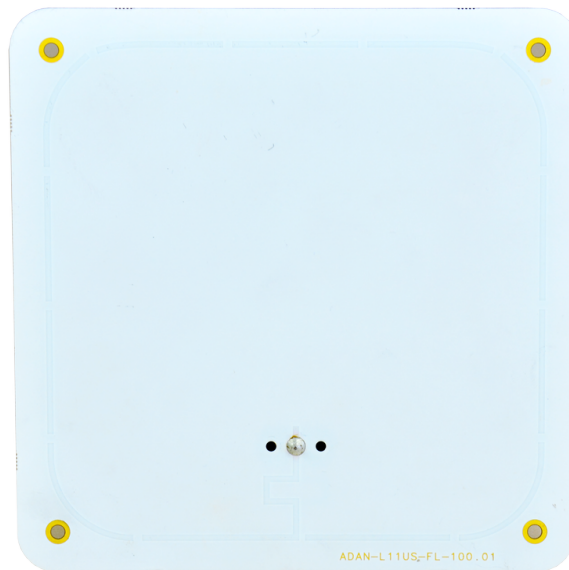
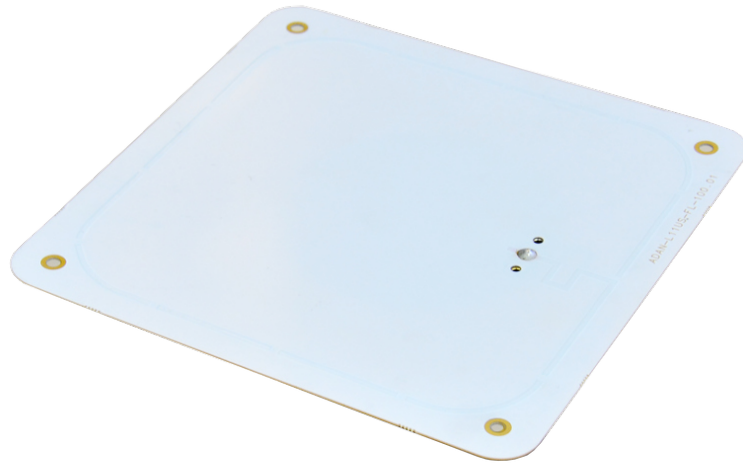
L11 UHF RFID ANTENNA

The Vulcan RFID™ L11 UHF RFID Antenna is a compact near-field UHF RFID antenna built with a very thin form factor and a strong, even magnetic field distribution within its detection zone.

This antenna is IP 65 / IP 68 rated, meaning that its dust resistant even high concentration, along with being resistant to water jets for up to at least 3 minutes. Additionally, it can withstand water immersion up to 1 m for up to 30 minutes,.

The Vulcan RFID™ CP11 UHF RFID Antenna's thin form factor and wide coverage area in the near-field zone of the antenna makes it an ideal solution for many RFID applications such as but not limited to:

- Point of Sale Systems
- Desktop Applications
- Smart Tables
- Other Smart Surfaces



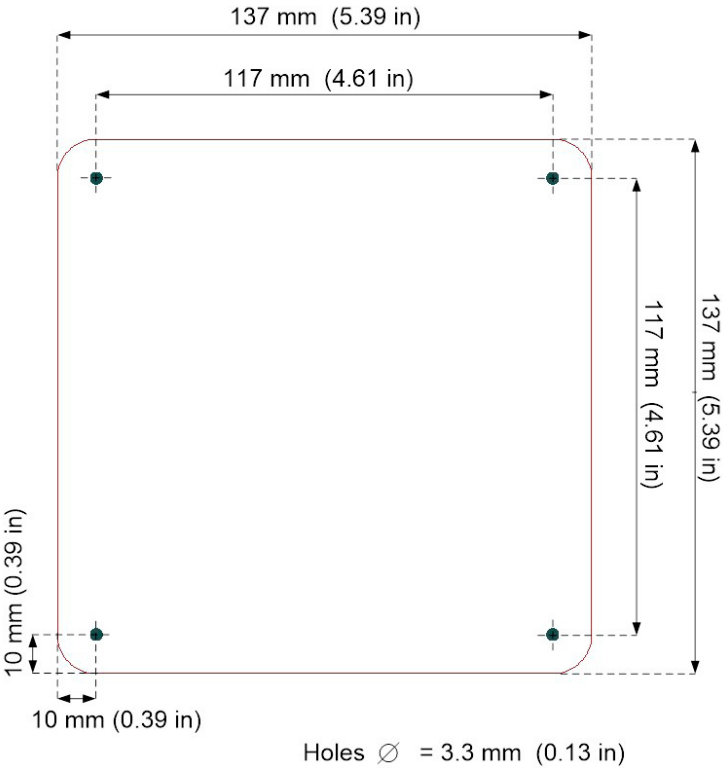


Specifications

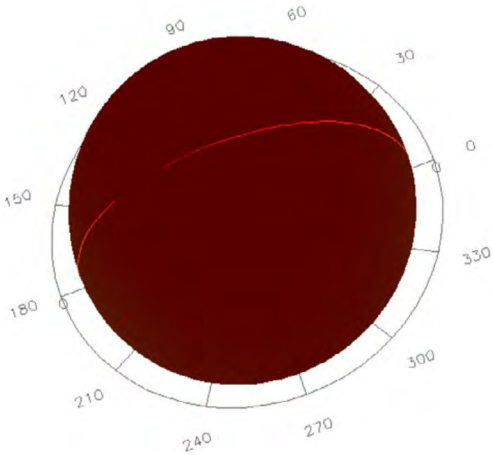
ELECTRICAL	Operating Frequency:	Dual Band (813-1000 MHz) - Broadband for different regions
	Gain:	2.0 dBi
	Max Read Distance:	Up to 1 m (3.3 ft) - Using Far-Field Tags
	Elevation Beamwidth:	100°
	Azimuth Beamwidth:	100°
	Nominal Impedance:	50 Ω (May be affected by the presence of metal at distances closer than 15 cm)
	Radiation Pattern:	Wide beam in both directions
MECHANICAL	Connector Type:	SMA female (connects to SMA male)
	Mounting:	Integrated Mounting Holes
	Cable:	Not Included
	Dimensions - Excludes Connector:	137 x 137 x 0.5 mm (5.4 x 5.4 x 0.02 in)
	Dimensions - Flange Connector:	137 x 137 x 13 mm (5.4 x 5.4 x 0.5 in)
	Weight:	0.03 kg (0.06 lbs)
ENVIRONMENT	Operating Temperature:	-20 °C to +80 °C (-4 °F to +176 °F)
	IP Rating:	IP 65 / IP 68



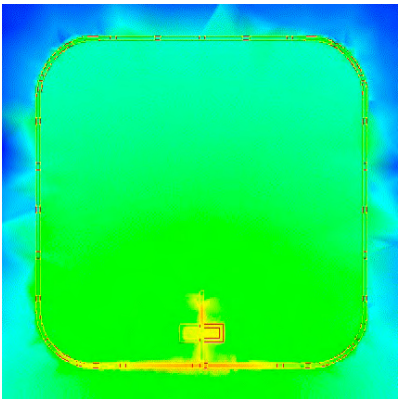
Diagrams



Radiation Pattern



Magnetic Field Distribution





Product Variations

Product Code	Connector Type	Dual Band (813-1000 MHz)
	Flange Straight	VUL-ADAN-L11DB-FLSMA-100
	Flange Right Angle	VUL-ADAN-L11DB-FRSMA-100

Accessories & Compatible Products

Vulcan RFID™



VUL-MAPPER

Vulcan RFID™



195-RP-TNC-M-SMA-M-12
240-RP-TNC-M-SMA-M-25
400-RP-TNC-M-SMA-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.



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