



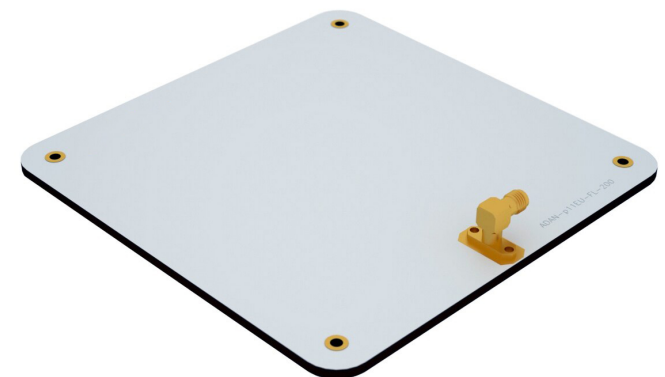
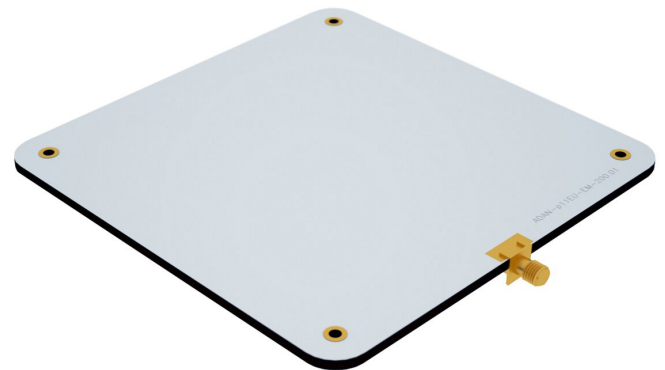
P11

UHF RFID ANTENNA

The Vulcan RFID™ p11 UHF RFID Antenna is a compact patch antenna, with a very thin form factor, circular polarization, and a radiation pattern characterized by a wide beam in all directions in one hemisphere.

With three different connector shape options and a very thin form factor, the Vulcan RFID™ p11 UHF RFID Antenna is an ideal solution for a wide array of applications including but not limited to:

- Smart Shelves
- Smart Displays
- Smart Panels
- Smart Tables





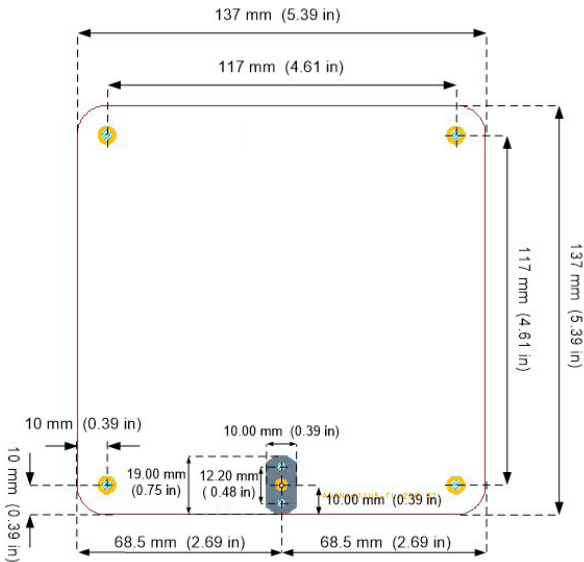
Specifications

ELECTRICAL	Operating Frequency:	FCC (902-928 MHz), ETSI (865-868 MHz)
	Polarization:	Right Hand Circular
	Gain:	3.4 dBi (US), 3.2 dBi (EU)
	Max Read Distance:	Up to 3 m (9.8 ft)
	Elevation Beamwidth:	100°
	Azimuth Beamwidth:	100°
	Input Impedance:	50 Ω
	VSWR:	< 1.4:1
	Front-to-Back Ratio:	< -15 dB
	Axial Ratio:	US: At boresight 1.5 dB, at 3 dB beamwidth 2.1dB (typical), 4.5 dB (max) EU: At boresight 0.9 dB, at 3 dB beamwidth 1.2dB (typical), 3.8 dB (max)
Radiation Pattern:	Wide beam in both directions, one hemisphere	
MECHANICAL	Connector Type:	SMA Female (connects to SMA Male)
	Mounting:	Integrated Mounting Holes
	Cable:	Not Included
	Dimensions - Excludes Connector:	137 x 137 x 3.3 mm (5.4 x 5.4 x 0.13 in)
	Dimensions - Edge Mount Connector:	137 x 137 x 8 mm (5.4 x 5.4 x 0.3 in)
	Dimensions - Flange Connector:	137 x 137 x 15 mm (5.4 x 5.4 x 0.6 in)
	Weight:	0.11 kg (0.25 lbs)
ENVIRONMENT	Operating Temperature:	-20 °C to +80 °C (-4 °F to +176 °F)
	IP Rating:	IP 62



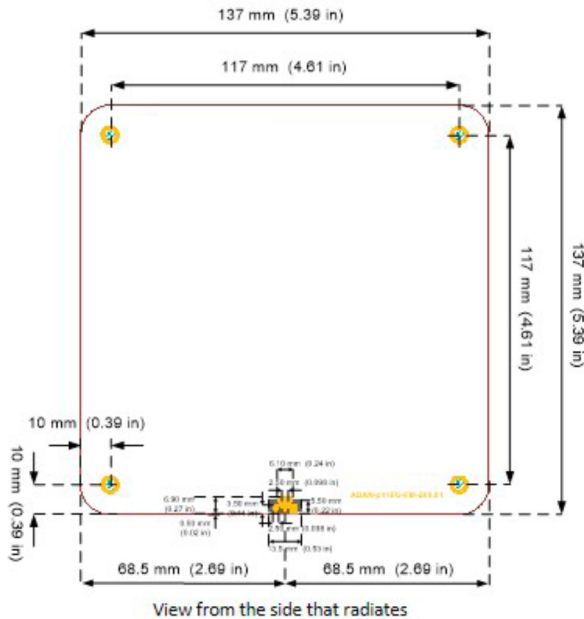
Diagrams

With flange straight or flange right angle connector



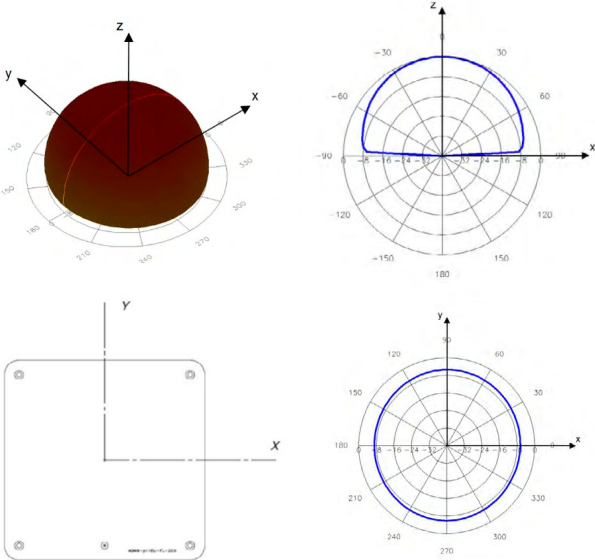
Antenna Board Thickness = 3.3 mm (0.130 in)
Holes \varnothing = 3.3 mm (0.13 in)

With edge mount connector



Antenna Board Thickness = 3.3 mm (0.130 in)
Holes \varnothing = 3.3 mm (0.13 in)

Radiation Pattern





Product Variations

Product Code	Connector Type	FCC (902-928 MHz)	ETSI (865-868 MHz)
	Flange Straight	VUL-ADAN-P11US-FLSMA-200	VUL-ADAN-P11EU-FLSMA-210
	Flange Right Angle	VUL-ADAN-P11US-FRSMA-200	VUL-ADAN-P11EU-FRSMA-210
	Edge Mount	VUL-ADAN-P11US-EMSMA-200	VUL-ADAN-P11EU-EMSMA-200

Accessories & Compatible Products

Vulcan RFID™



VUL-MAPPER

Vulcan RFID™



VUL-ADHD-ADANP11-100

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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