keonn Modular RFID Components

Advantenna-L11 ™

RFID UHF near field antenna



Keonn Technologies S.L.

Tel: +34 931 814 477
info@keonn.com

Barcelona
London
Los Angeles

Advantenna-L11 ™
RFID UHF near field antenna



Benefits:

- Readings confined to the vicinity of the antenna when used with near-field tags
- Very thin form factor (13 mm with flange connector)
- Good performance
- Cost effective

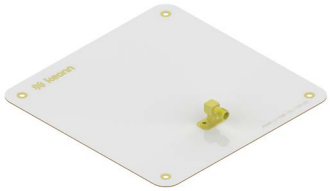
Applications:

- Point of sales
- Smart panels
- Smart tables
- Smart surfaces in general

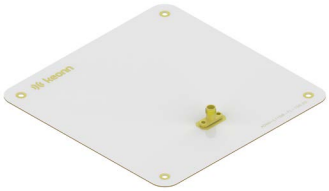
Product overview

Advantenna-L11 is a compact near-field RFID UHF Antenna, with a very thin form factor, and strong and even magnetic field distribution within its detection zone. When used with inductive near-field tags the reading area can be confined to the vicinity of the antenna.

This thin form factor and the wide coverage area in the near-field zone of the antenna make this antenna ideal for many RFID applications such as points of sales, desktop applications, smart tables or other surfaces.



Flange right angle



Flange straight

Technical specifications

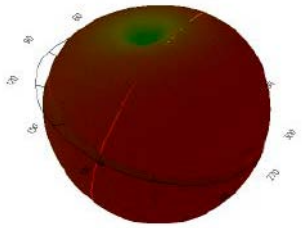
Operating Frequency	813 - 1000 MHz (Broadband for different regions)
Radiation pattern	Wide beam in both directions
Max Far-Field Gain	2.0 dBi
Beam width	100° / 100°
Input Impedance	50 Ω (May be affected by the presence of metal at distances closer than 15 cm)
Connector	SMA Flange or flange right angle
IP rating	IP65, IP68 Dust resistant, even in high concentration Resistant to normal water jets for at least 3 minutes Immersion resistant (up to 1m for up to 30 minutes)
Temperature range	-20°C to +80°C
Size excluding connector	137 mm x 137 mm x 0.5 mm 5.4 inches x 5.4 inches x 0.02 inches
Size with flange connector	137 mm x 137 mm x 13 mm 5.4 inches x 5.4 inches x 0.5 inches
Antenna weight	25 g

Advantenna-L11 ™

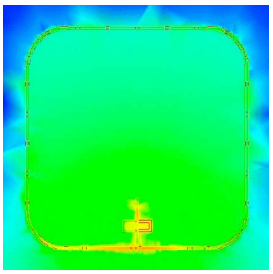
RFID UHF near field antenna

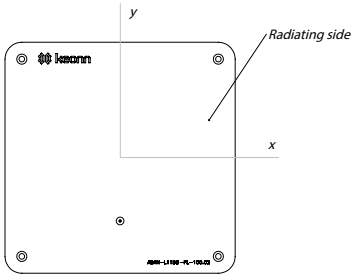


Radiation pattern



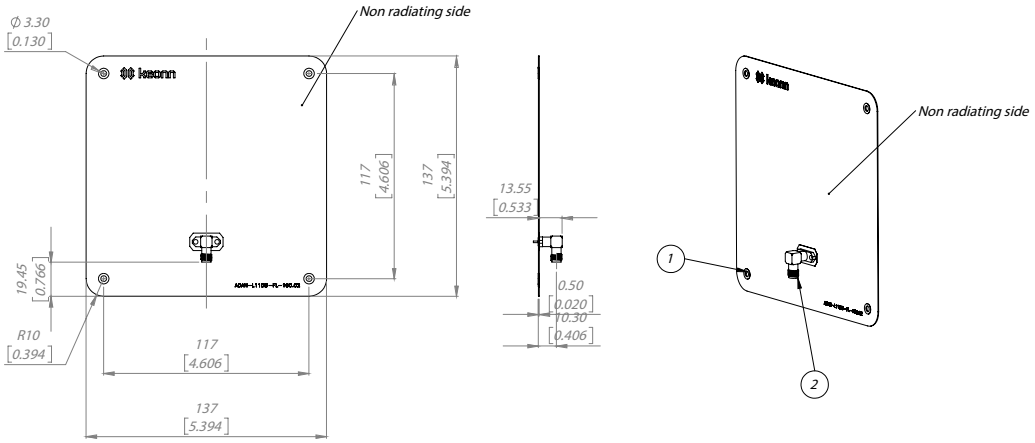
Magnetic field distribution





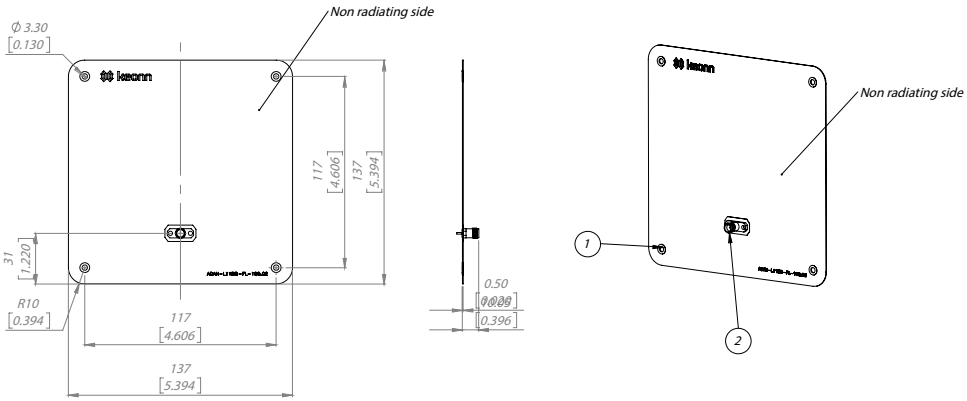
Mechanical specifications

Flange right angle



Mechanical specifications

Straight angle connector



Advantenna-L11 ™
RFID UHF near field antenna

Product codes for ordering

ADAN-L11	FF	-	CS	CT	-	mmm	
							FF = frequency band
	DB						Dual band
							Connector shape
			FL				Flange straight
			FR				Flange right angle
							Connector type
				SMA			SMA connector
							Model
						100	Model number

Examples:

ADAN-L11DB-FLSMA-100:

- Advantenna-**p11**
- Dual frequency band
- **Flange straight** connector
- **SMA** connector
- Model **100**

Copyright © Keonn Technologies S.L.
All rights reserved.

Information in this publication supersedes all earlier versions. Specifications subject to change without notice.

Keonn Technologies S.L.

Tel: +34 931 814 477
info@keonn.com

Barcelona
London
Los Angeles