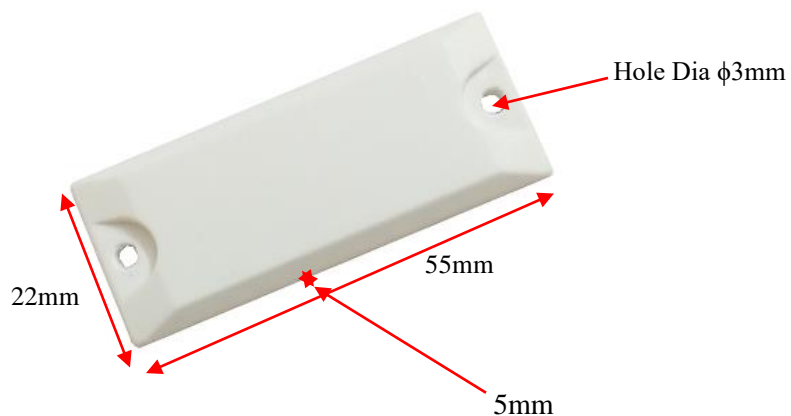# Armada Tag (Global)

FEATURES

- Operates effectively with a very good read range.
- Rugged construction for high durability
- Can be attached by screws with the help of two holes.
- Can also be provided with Adhesive tape for easy attachment.
- Flexible Read/Write Range (reader dependant).

APPLICATIONS

- Used in asset tracking applications such as Plastics Containers and warehousing solutions.
- Most suitable for direct application on corrugated box, parts made up of plastic and wood.
- Factory automation, Automotive & Security purpose.

Chip Type:	**Alien Higgs 3 EPC Class 1 Gen 2**
	EPC 96 bit extendable up to 480 bits
	User Memory 512 bit
	Data retention of 50 years
	Write endurance 100,000 cycles

Mechanical:	**Dimension**	55 x22 x 5mm
	Material	ABS
	Colour	White
	Weight	5.6 g

Electrical:	**Operating Frequency**	860-960MHz (Global Frequency)
	Operating mode	Passive (battery-less transponder)

Ingress Protection:	IP68

Thermal:	**Storage Temp.**	-25°C to +85°C
	Operating Temp.	-25°C to +85°C

Part Number:	391V1

Options:	**Available with:**
	Other IC type and Frequency on request
	Other plastic material and colours
	Adhesive backing for easy mounting (indoor application)
	Available for metallic application

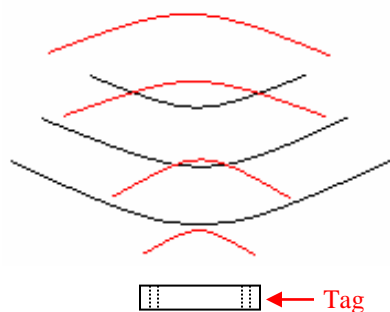Note: Tolerance applicable are **Length:** ±1mm, **Width:** ±0.5mm and **Thickness:** ±0.3mm.

Tag Placement

- Armada Tag is polarized parallel to the length.
- Ensure that there is no hindrance between the tag and the reader antenna.
- Reader antenna should be parallel to the tag length as shown in below figure:
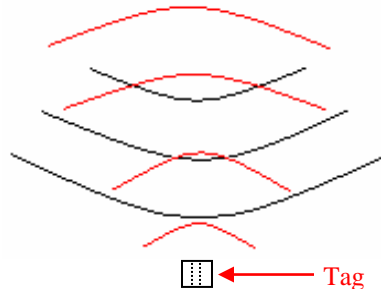
Correct way

Antenna

Tag
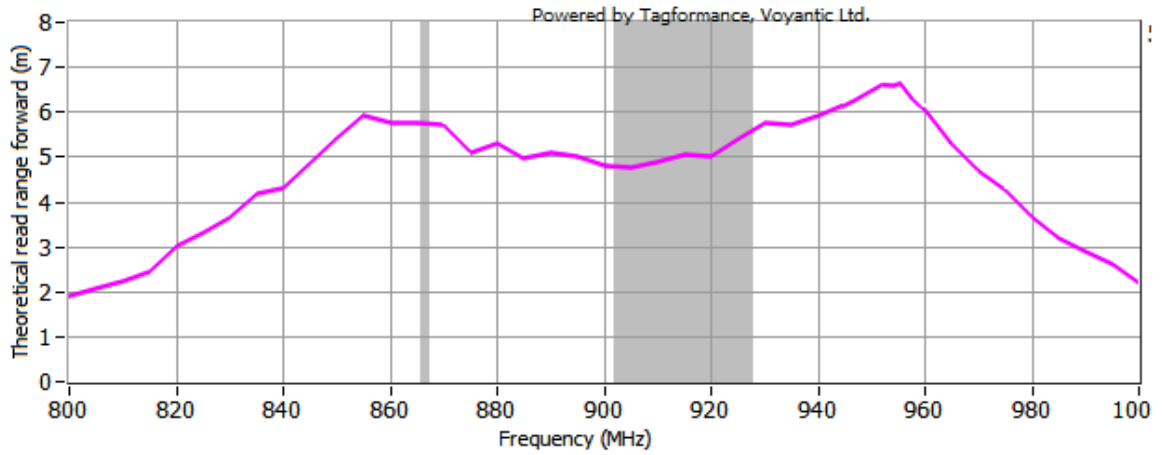
Wrong way

Antenna

Tag

- Tag can be attached either through screw M3/ Rivets / Adhesive tape.
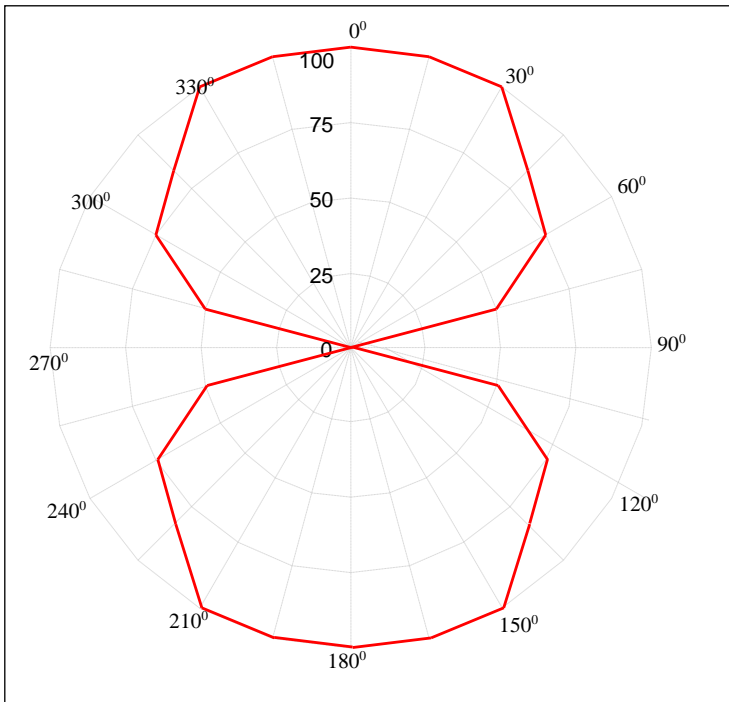- The distance between the hole to hole is 47mm

Armada Tag orientation Sensitivity
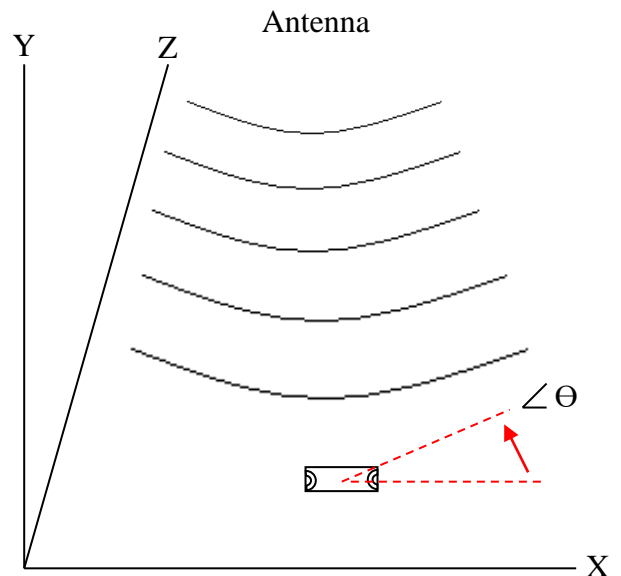
(Relative Read Range vs. Orientation)

Read range (in percent) at various angle.

Tag is rotated in the X-Y plane about the z axis