![TheTagFactory - ENGINEERING RFID SOLUTIONS]
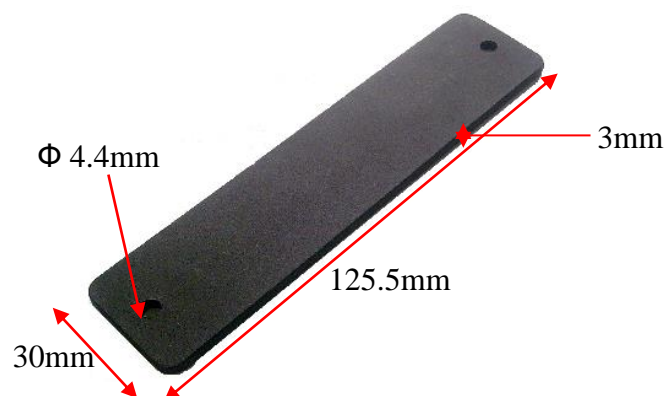
Bend-it Tag (Global)

FEATURES

- Bend-it Tag is ATEX approved and thus can be used in potentially explosive atmosphere.
- Bend-it tag is a frequency independent flexible tag and operates effectively with read range of over 10m when attached to plastic, wood etc even over curved surface.
- 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

- Due to global frequency tuning and high read range, it can be used in other asset tracking applications throughout the world irrespective of frequency used in country.
- Most suitable for direct application on corrugated box, curved parts made up of plastic and wood.
- Factory automation, Automotive & Security purpose.

Chip Type:	**Alien Higgs 9, GS1 Class 1 Gen 2**	
	EPC Memory: Up to 496-EPC Bits (nominally 96 bits)	
	User Memory: Up to 688 Bits	
	Data Retention: 50 Years	
	Write Endurance: 200,000 Cycles	
Mechanical:	Dimension	125.5 x 30 x 3 mm
	Material	TPU
	Colour	Black
	Weight	13.30 g
Electrical:	Operating Frequency	860 – 960 MHz
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68	
Thermal:	Storage Temp.	-20°C to +70°C
	Operating Temp.	-20°C to +70°C
Part Number:	338V1-Ex02	
Marking details:	⬡Ex II 1 G, Ex ia IIC T5 Ga	
	Available with:	
Options:	Other IC type on request	
	Adhesive backing for easy mounting	

Φ 4.4mm

3mm

125.5mm

30mm

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

- Bend-it tag is polarized parallel to line joining the two holes.
- Ensure that there is no hindrance between the tag and the reader antenna.
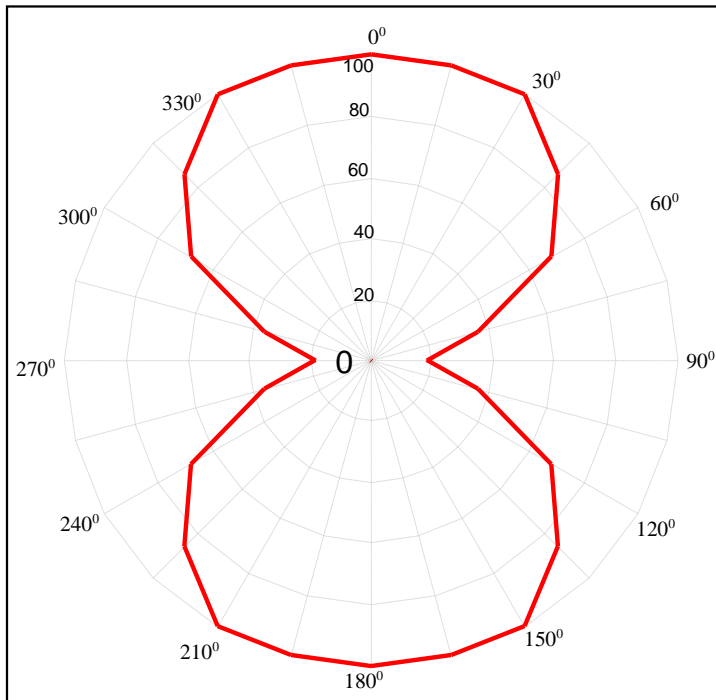- Reader antenna should be parallel to the tag length as shown in below figure:

Correct way

Wrong way

Antenna

Antenna

Tag

Tag
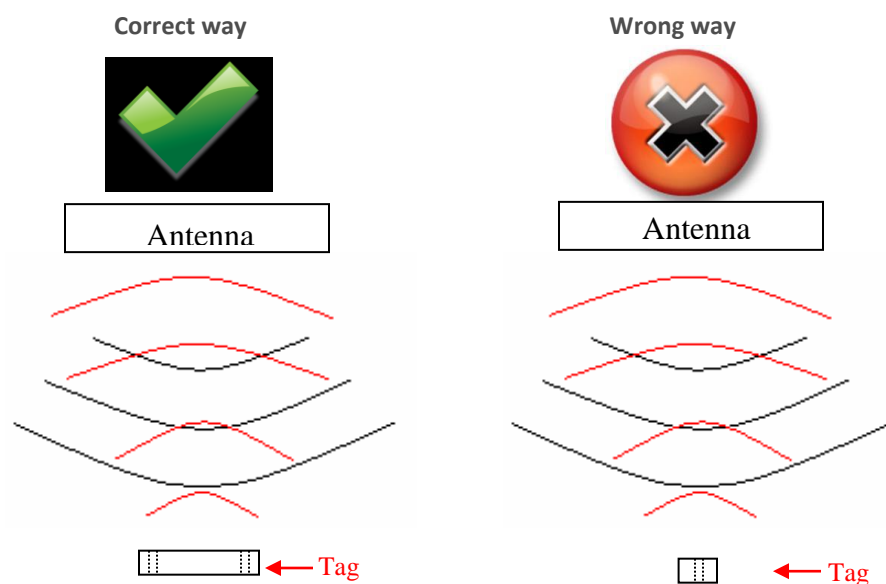
- Tag can be attached either through screw M4 / Rivets / Adhesive tape.
- Tag is Flexible (as shown in figure) and can be easily attached over curved surface.

Bend-it Tag Angular Sensitivity
(Relative Read Range vs. Orientation)

Read range (in percent) at various angle.

Antenna

Y Z

∠θ

0⁰

X

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