

Bend-it Tag (Global)

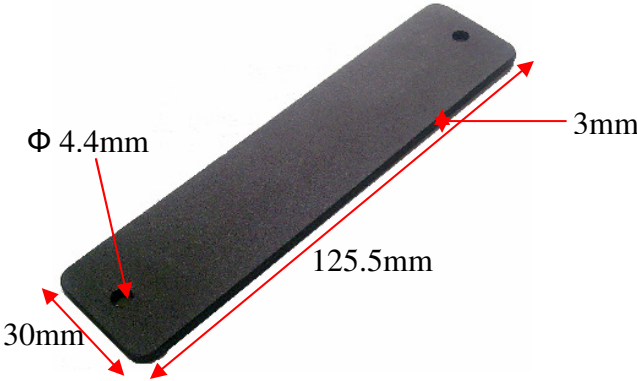
FEATURES

- 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:	Impinj Monza 4QT, EPC Class 1 Gen 2	
	EPC 96 bit extendable up to 128 bits	
	User Memory 512 bit	
	Data retention of 50 years	
	Write endurance 100.000 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:	338V5	
Options:	Available with:	
	Other IC type e.g., Monza 4D, Monza 4E on request	
	Adhesive backing for easy mounting	



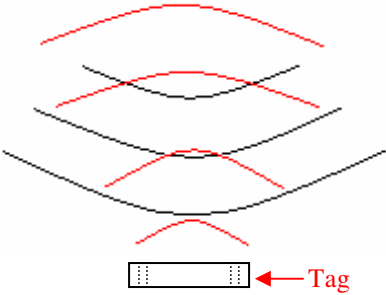
Tag Placement

- ✚ 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



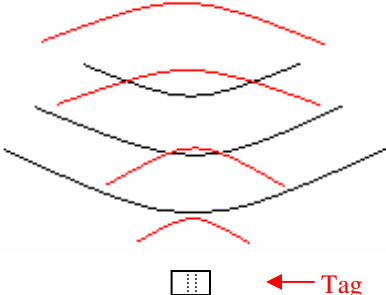
Antenna



Wrong way



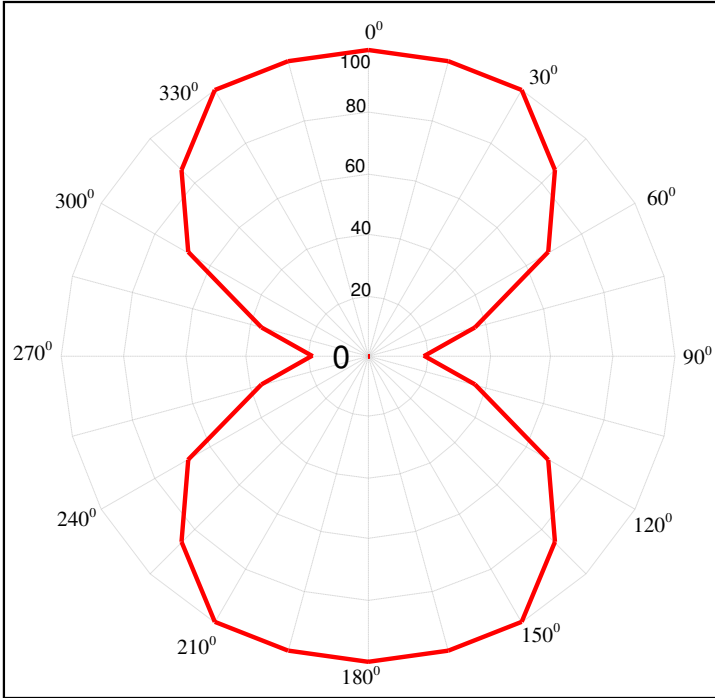
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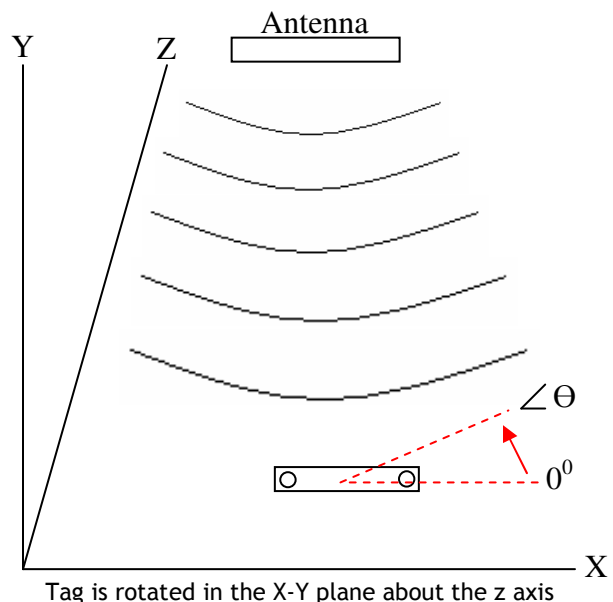
- ✚ Tag can be attached either through screw M4 / Rivets / Adhesive tape.
- ✚ Tag is Flexible (as shown in figure) and can be easily attached over curved surface.



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



Read range (in percent) at various angle.



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