




Bend-it Tag (Global)

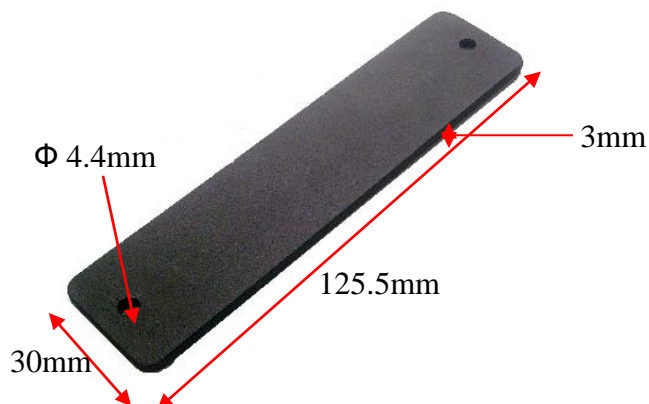
FEATURES

- 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:	Impinj Monza 4E , EPC Class 1 Gen 2	
	EPC Memory	: 496 bits
	User Memory	: 128 bits
	Data retention	: 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:	338V1-Ex06	
Marking details:	 II 1 G, Ex ia IIC T5 Ga	
Options:	Available with:	
	Other IC type e.g., Monza 4D, Monza 4QT on request Adhesive backing for easy mounting	



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

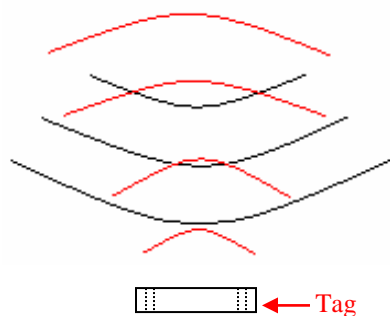
Tag Placement

- ✚ 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



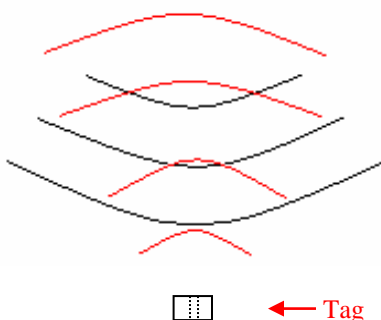
Antenna



Wrong way



Antenna

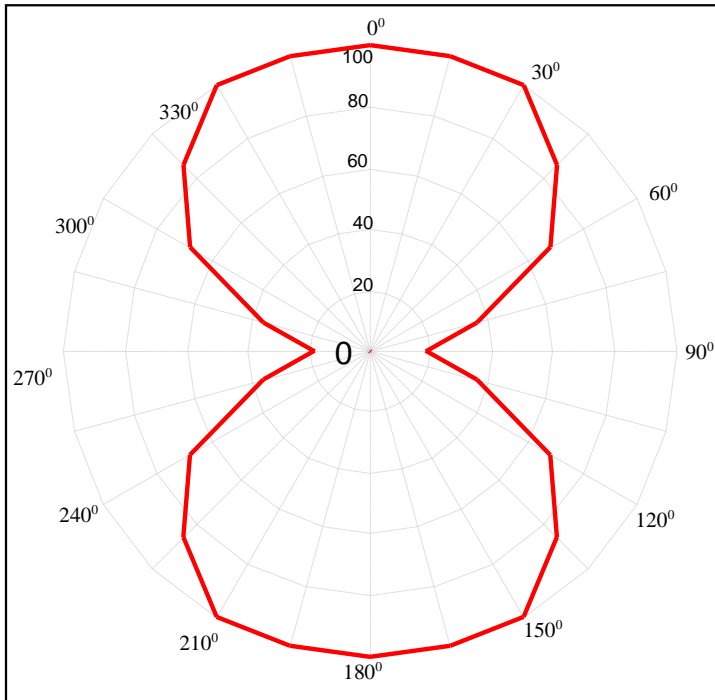


- ✚ Tag can be attached either through screw M4 / Rivets / Adhesive tape.
- ✚ Tag is Flexible (as shown in figure) and can be easily attached over curved surface.



Bend-it Tag Angular Sensitivity

(Relative Read Range vs. Orientation)



Read range (in percent) at various angle.

