



Magneto Tag

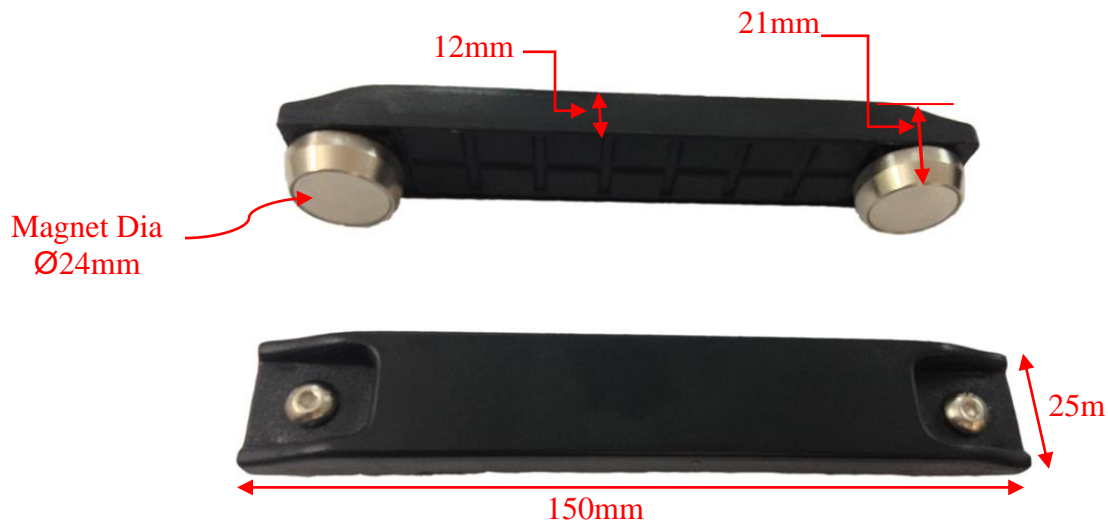
FEATURES

- Magneto tag operates effectively with good read range when attached to metal.
- Rugged construction for high durability.
- Can be attached directly on iron with the help of magnet.

APPLICATIONS

- Used in asset tracking, Warehouse management, Containers and Railway Coaches identification.
- 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	150 x 25 x 12 mm (thickness with magnet-21mm)
	Material	ABS
	Colour	Black
	Weight	91.3 g
Electrical:	Operating Frequency	865-868MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP67	
Thermal:	Storage Temp.	-25°C to +85°C
	Operating Temp.	-25°C to +85°C
Part Number:	378V1	
Options:	Available with:	
	Other IC type on request	
	Other plastic material and colours e.g. PC/ABS	
	Adhesive backing for easy mounting	



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

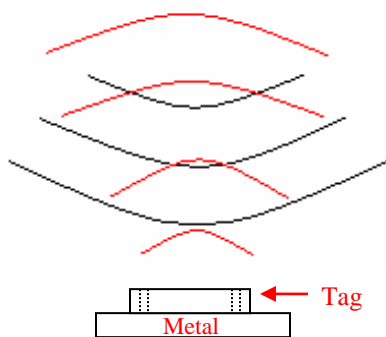
Tag Placement

- ✚ Magneto tag is polarized perpendicular to TTF logo.
- ✚ Place the tag in such a way that most of its bottom area comes in direct contact with metal.
- ✚ 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



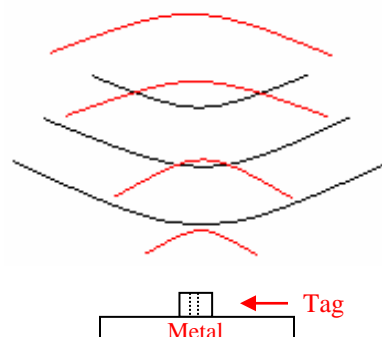
Antenna



Wrong way

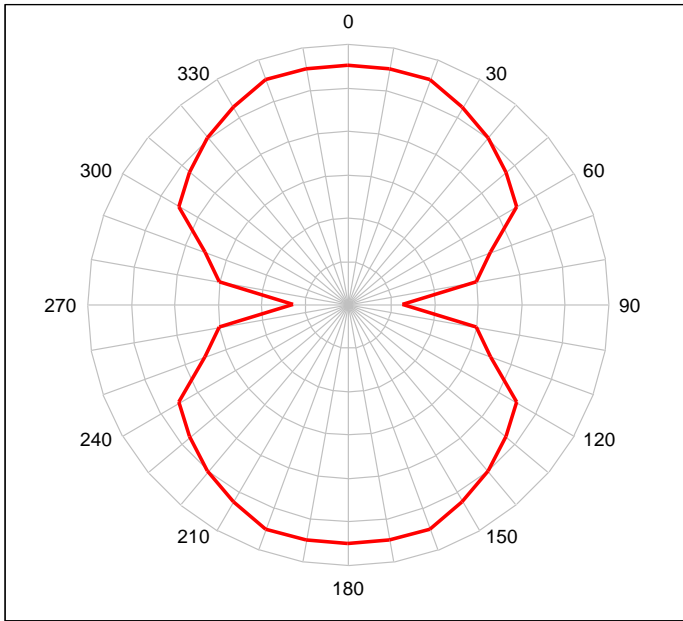


Antenna

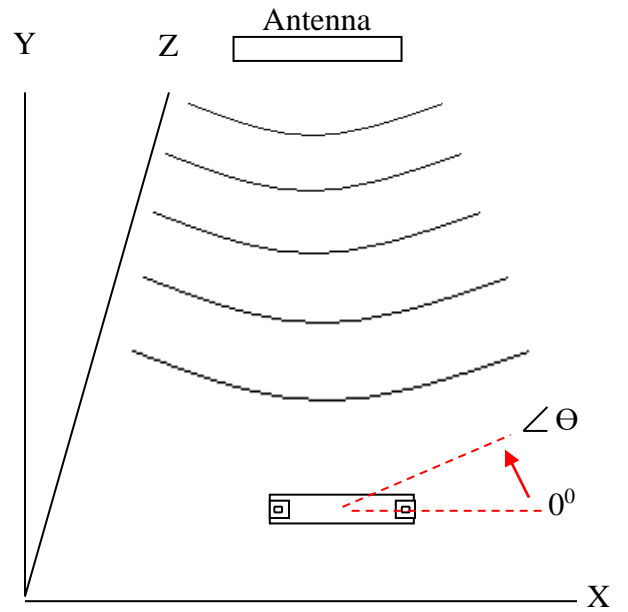


- ✚ Tag can be attached directly on Iron with the magnet.

Magneto tag's 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

