



## M-Tudor Tag

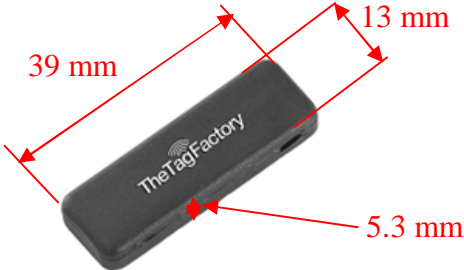
### FEATURES

- M-Tudor Tag is very small in size & has very good read range, especially when attached to metal.
- Can be used with cable ties through its mounting hole.
- Flexible Read/Write Range (reader dependant).

### APPLICATIONS

- Used in IT asset tracking applications such as backup tapes, servers, hard drives and media tapes without any human intervention.
- Inventory control of small tools and manufacturing equipment, servers and network routers.

<b>Chip Type:</b>	<b>Alien Higgs 3 EPC Class 1 Gen 2</b>	
	EPC	96 bit extendable up to 480 bits
	User Memory	512 bit
	Data retention	of 50 years
	Write endurance	100,000 cycles
<b>Mechanical:</b>	Dimension	39 x 13 x 5.3 mm
	Face Material	TPU
	Colour	Black
	Weight	3 g
<b>Electrical:</b>	Operating Frequency	865-868MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
<b>Ingress Protection:</b>	IP68	
<b>Thermal:</b>	Storage Temp.	-25°C to +85°C
	Operating Temp.	-25°C to +85°C
<b>Part Number:</b>	363V1	
<b>Options:</b>	Available with:	
	Other IC type and Frequency on request.	
	Other Colour combination & material	
	Adhesive backing / hanging thread for easy mounting	
	Non-metallic application	



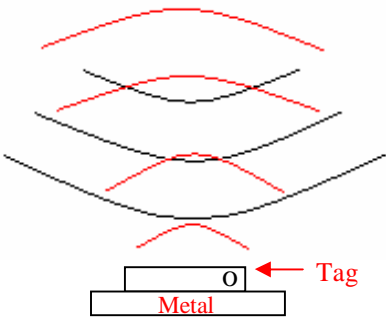
Tag Placement

- ✚ M-Tudor 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 length of tag as shown in below figure:

Correct way



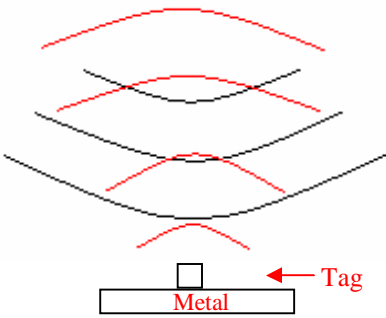
Antenna



Wrong way

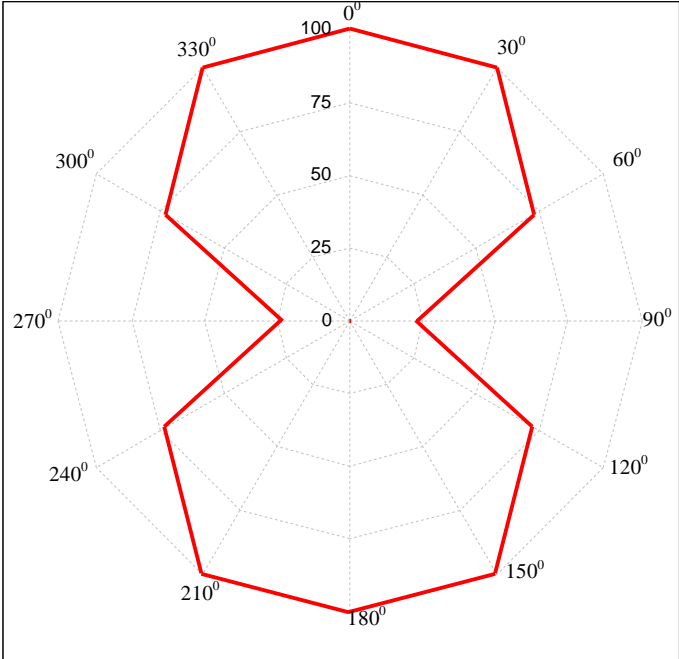


Antenna

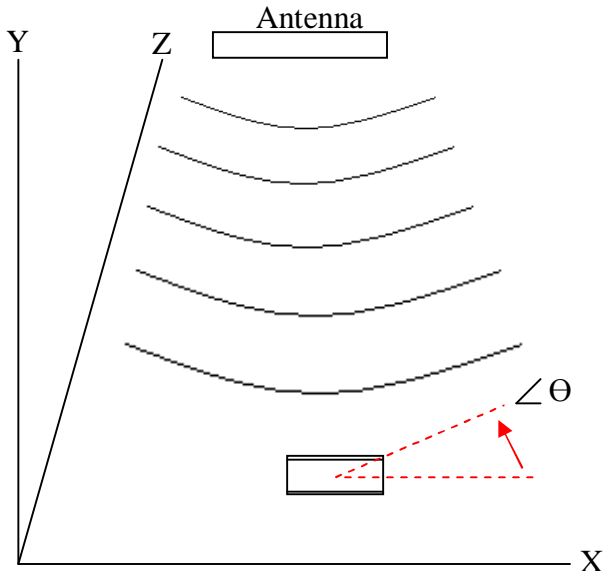


- ✚ Tag can be attached through adhesive tape or can be hanged through nylon thread.

### M-Tudor 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