M-Tudor Tag

FEATURES

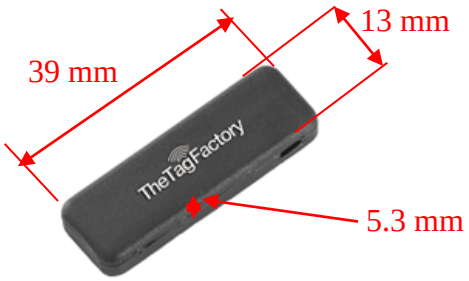
- M-Tudor Tag is very small in size & has very good read range, especially when attached to metal.
- Can be used with cable ties through its mounting hole.
- Flexible Read/Write Range (reader dependant).

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.

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**	39 x 13 x 5.3 mm
	Face Material	TPU
	Colour	Black
	Weight	3 g
Electrical:	**Operating Frequency**	865-868MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68	
Thermal:	**Storage Temp.**	-25°C to +85°C
	Operating Temp.	-25°C to +85°C
Part Number:	363V1	
Options:	**Available with:**	
	Other IC type and Frequency on request.	
	Other Colour combination & material	
	Adhesive backing / hanging thread for easy mounting	
	Non-metallic application	

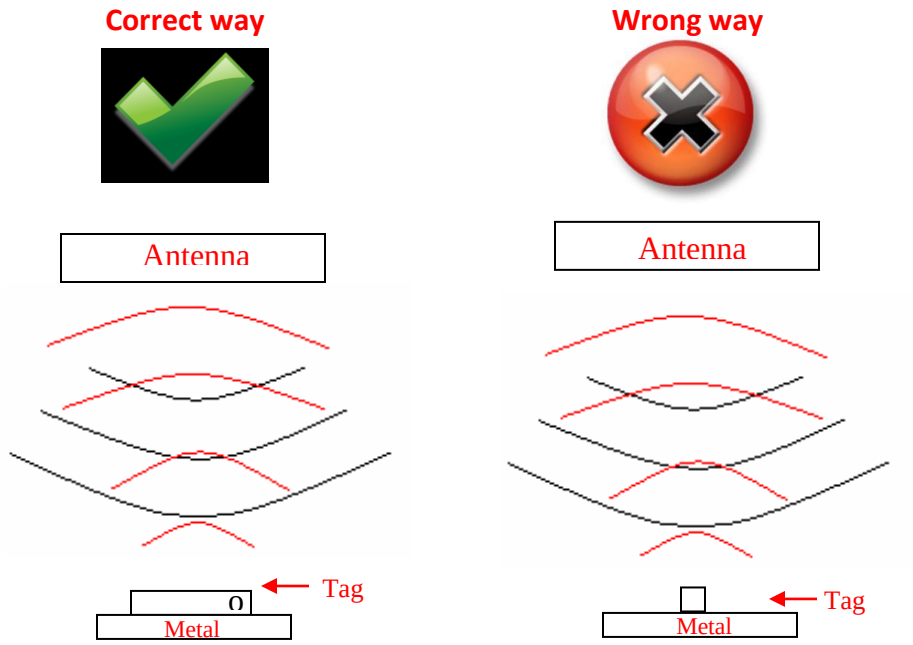
Dimension



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

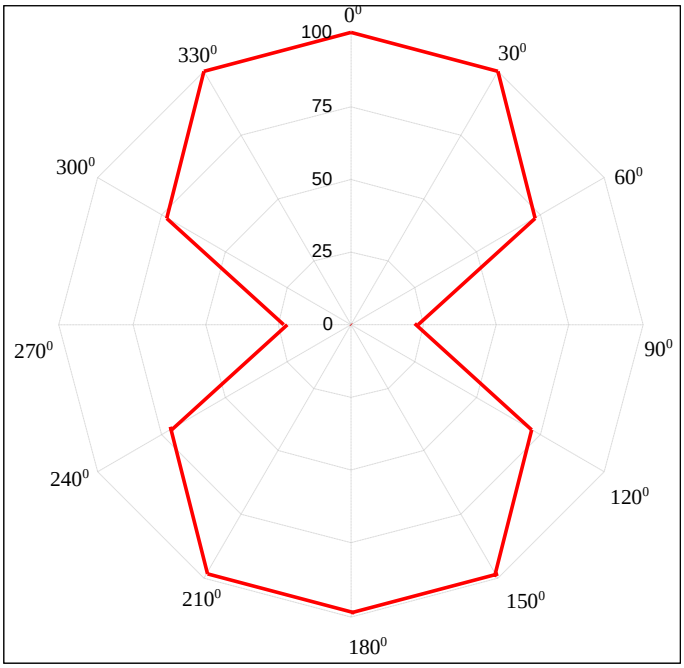
Tag Placement

- 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:

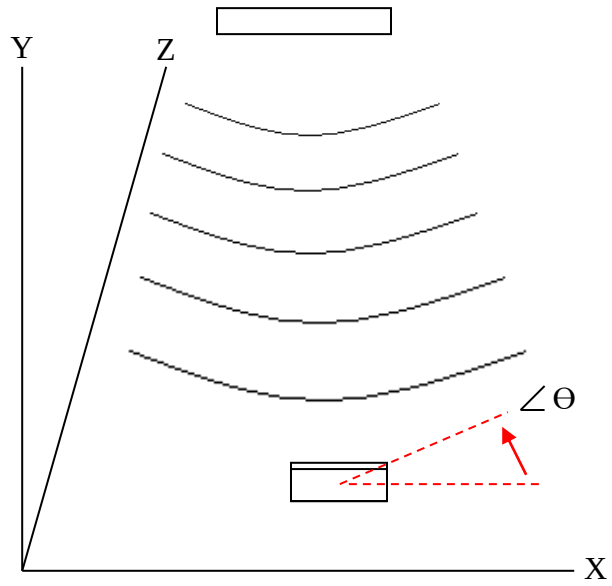


- Tag can be attached through adhesive tape or can be hanged through nylon thread.

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