™

STALLION
Smarter... Faster... Higher...
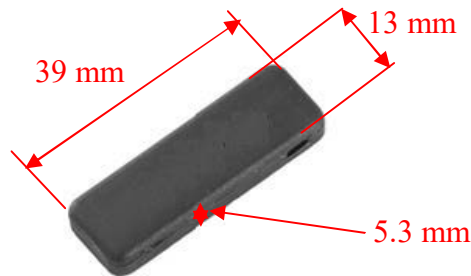STALLION GROUP

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 3 EPC Class 1 Gen 2**
	EPC 96 bit extendable up to 480 bits
	User Memory 512 bit
	Data retention of 50 years
	Write endurance 100,000 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

13 mm

39 mm

5.3 mm

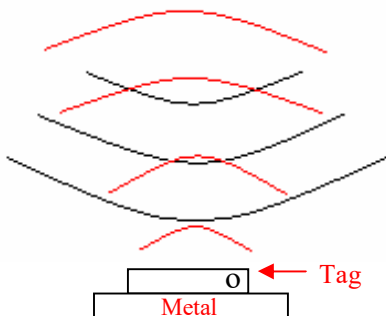# Tag Placement

- 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:
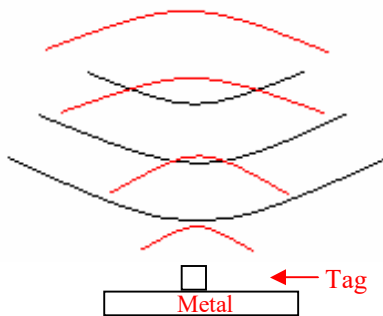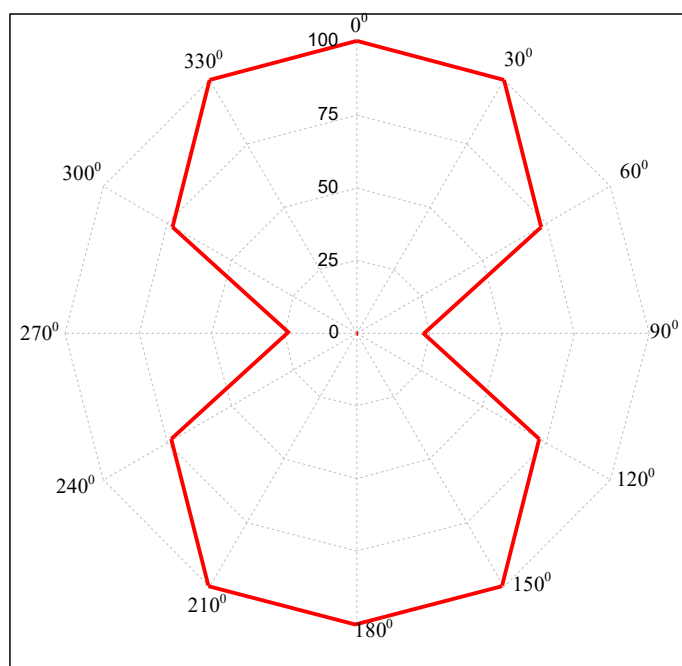
Correct way

Antenna

Tag

Metal

Wrong way

Antenna

Tag

Metal

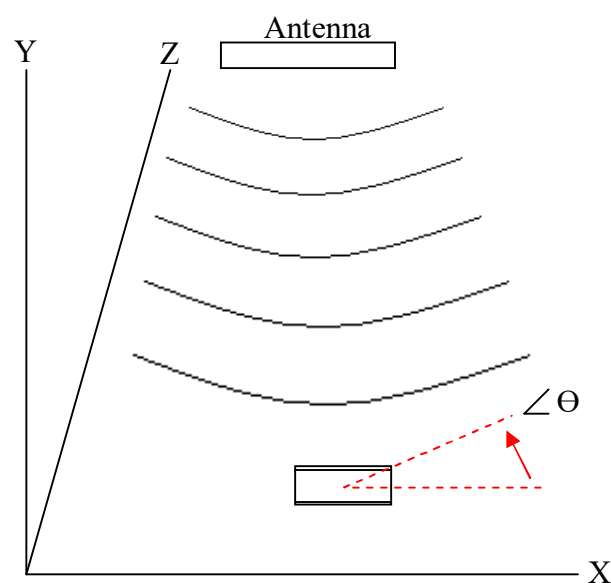- Tag can be attached through adhesive tape or can be hanged through nylon thread.

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