M-Prince Tag
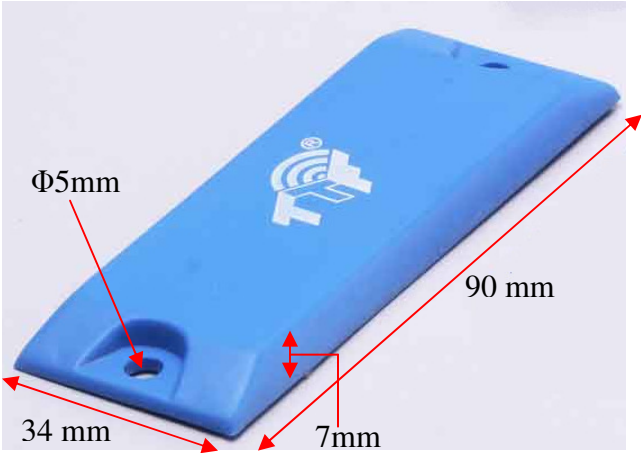
FEATURES

- Operates effectively with a very good read range, especially when attached to metal.
- 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 (up to 8-10m, reader dependant).

APPLICATIONS

- Used in asset tracking applications such as Equipment, Parts, Containers, railway and warehousing solutions.
- Factory automation, Automotive & Security purpose.

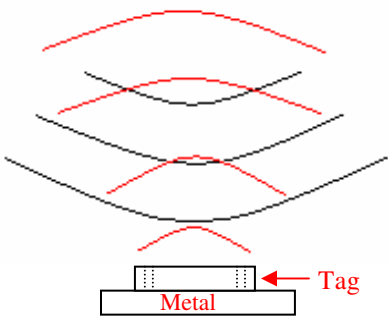|		
Chip Type:	**Alien Higgs 3 EPC Class 1 Gen 2**	
	EPC 96 bit extendable up to 480 bits	
	User Memory 64 bit	
	Data retention of 10 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	90 x 34 x 7.0mm
	Material	ABS
	Colour	Blue
	Weight	19 gm.
Electrical:	Operating Frequency	865-869MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68	
Thermal:	Storage Temp.	-25°C to +70°C
	Operating Temp.	-25°C to +70°C
	Transport Conditions	-40°C to +70°C
Part Number:	32X01	
Options:	Available with:	
	Other IC type and Frequency on request	
	Other plastic material and colours e.g. PC/ABS	
	Adhesive backing for easy mounting (indoor application)	
	Available for non-metallic application	

Φ5mm

90 mm

34 mm

7mm

Tag Placement

- M-Prince 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:
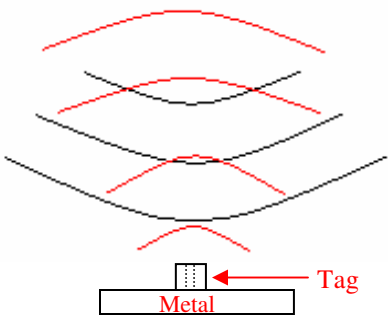
Correct way

Antenna

Tag

Metal

Wrong way

Antenna

Tag

Metal
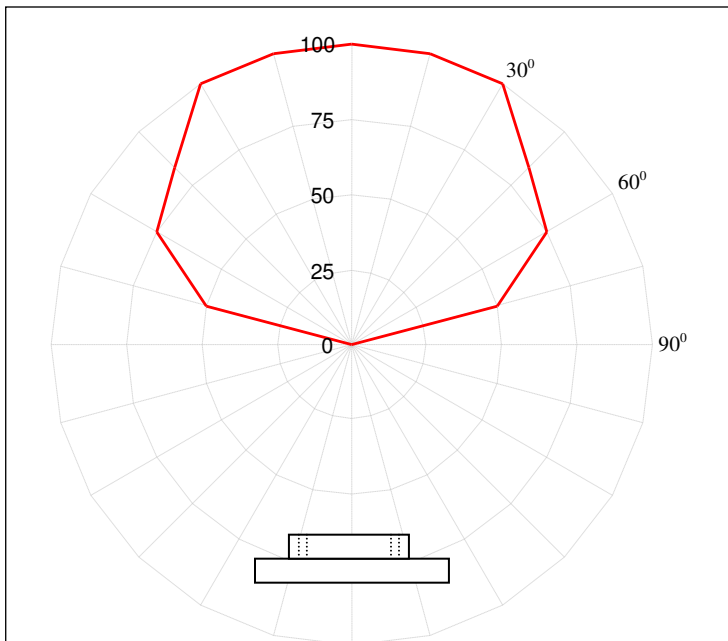
- Tag can be attached either through screw M5/ Rivets / Adhesive tape.
- The distance between the hole to hole is 80mm
- Attachment through adhesive should be used only for indoor application.

Read range (in percent) at various angle.

Estimated Radiation pattern of tag when placed along its axis.