TheTagFactory
MANUFACTURER OF RFID TAGS


CE Ex

M-Warrior Tag
(Global)

FEATURES

- M-Warrior Tag is ATEX approved and thus can be used in potentially explosive atmosphere.
- The tag is frequency independent tag and operates effectively with read range of over 7m when attached to metal.
- Rugged construction for high durability.
- Can be attached by thread or cable tie.
- Can also be provided with Adhesive tape for easy attachment.

APPLICATIONS

- Due to global frequency tuning and high read range, M-Warrior can be effectively used in asset tracking, Ware house management, Containers and Railway Coaches identification in any part of the world irrespective of frequency used in country.
- Factory automation, Automotive & Security purpose.

|	**Alien Higgs 3 EPC Class 1 Gen 2**	
Chip Type:	EPC 96 bit extendable up to 480 bits	
	User Memory 512 bit	
	Data retention of 50 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	61.5 x 14.3 x 13 mm
	Material	ABS GF
	Colour	Black
	Weight	9.2 g
Electrical:	Operating Frequency	860 - 960 MHz
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68	
Thermal:	Storage Temp.	-20°C to +70°C
	Operating Temp.	-20°C to +70°C
Part Number:	318V1-Ex	
Atex Marking details:	Ex II 1 G, Ex ia IIC T5 Ga	
Options:	Available with:	
	Other IC type on request	
	Other plastic material and colours e.g. PC/ABS	
	Adhesive backing for easy mounting	

22 mm

3 mm

13.0 mm

61.5 mm

14.3 mm
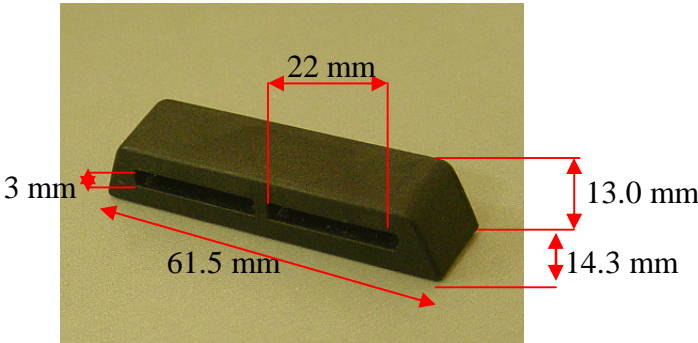
Tag Placement

- M-Warrior is polarized perpendicular to rectangular mounting holes provided.
- 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 perpendicular to the axis of tag hole as shown in below
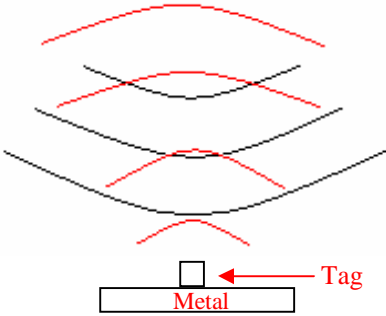
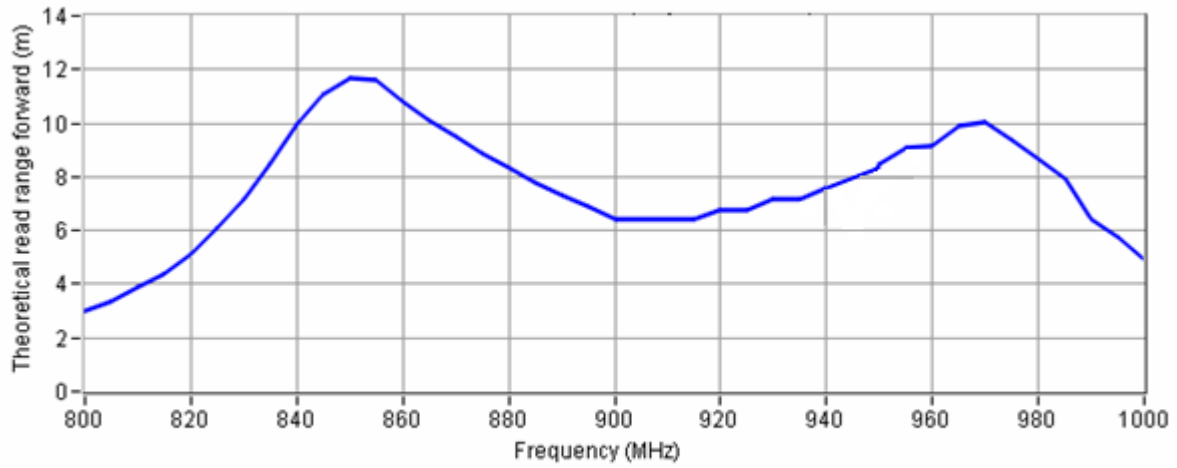**Correct way**

Antenna

Tag

Metal
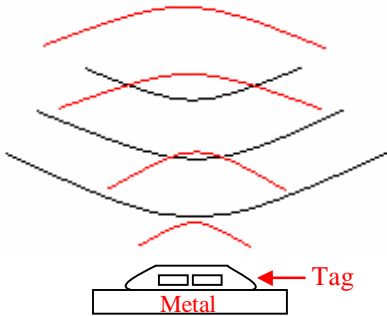
Wrong way

Antenna

Tag

Metal

- Tag can be attached either through Cable ties or Adhesive tapes.
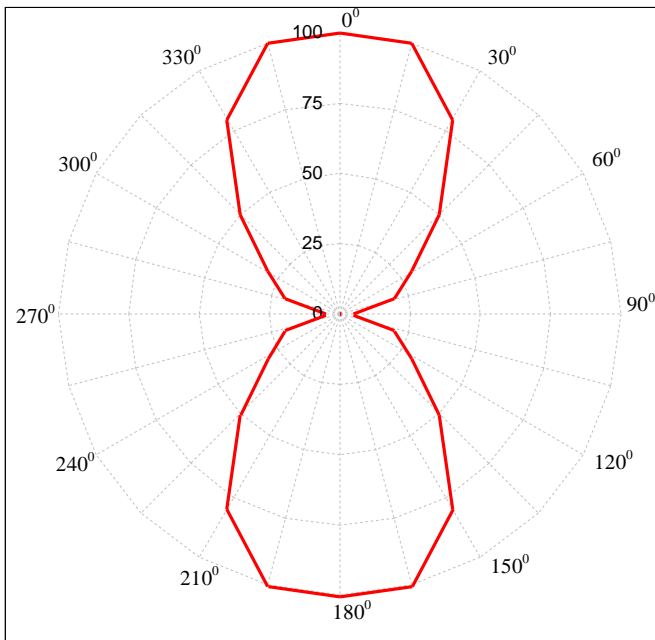- Two rectangular holes each of 22 x 3 mm are provided for easy mounting
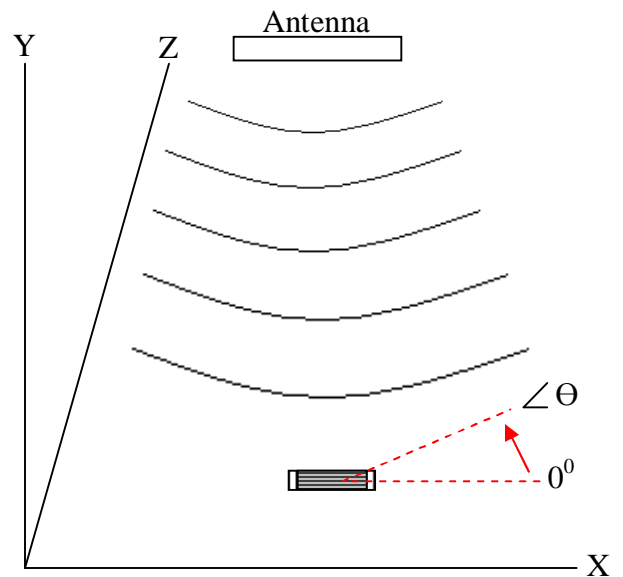
M-Warrior Tag Angular Sensitivity
(Relative Read Range vs. Orientation)

Read range (in percent) at various angle.

Tag is rotated in the X-Y plane about the z axis