



## M-Warrior Tag (Global)

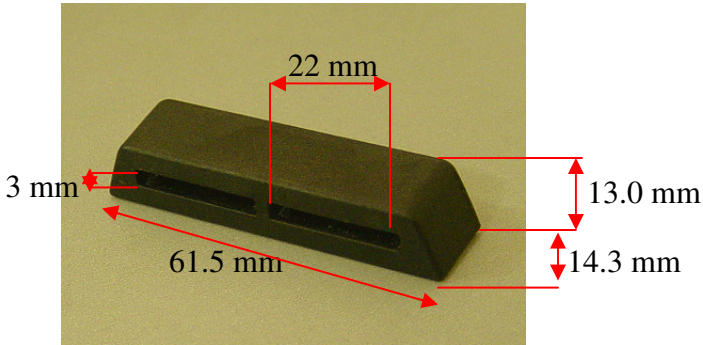
### FEATURES

- M-Warrior is a 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.

<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 10 years	
	Write endurance 100.000 cycles	
<b>Mechanical:</b>	Dimension	61.5 x 14.3 x 13 mm
	Material	ABS
	Colour	Blue
	Weight	9.2 g
<b>Electrical:</b>	Operating Frequency	860 - 960 MHz
	Operating mode	Passive (battery-less transponder)
<b>Ingress Protection:</b>	IP68	
<b>Thermal:</b>	Storage Temp.	-20°C to +85°C
	Operating Temp.	-20°C to +85°C
<b>Part Number:</b>	318V1	
<b>Options:</b>	Available with:	
	Other IC type on request	
	Other plastic material and colours e.g. PC/ABS	
	Adhesive backing for easy mounting	



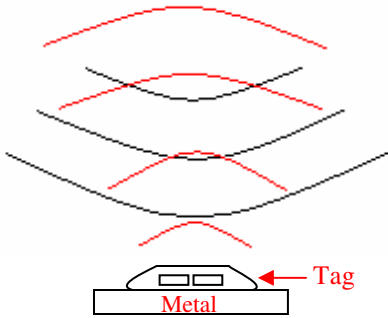
Tag Placement

- ✚ 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



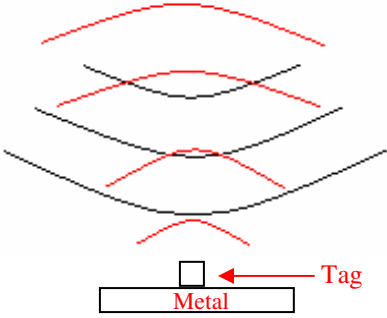
Antenna



Wrong way

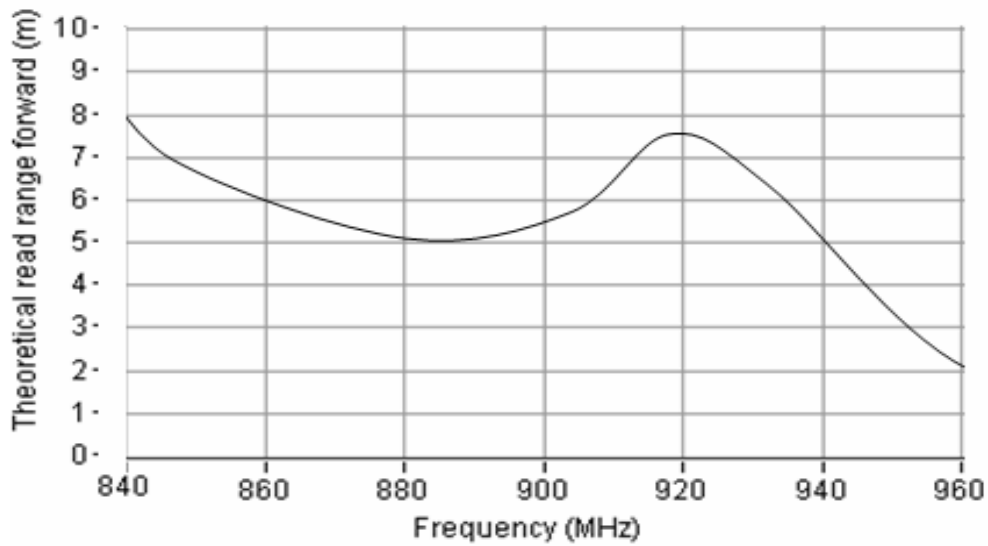


Antenna



- ✚ 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

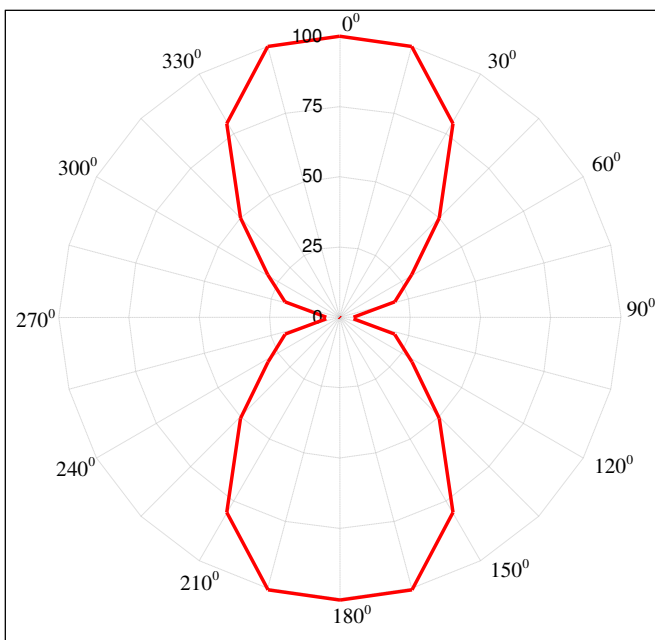
## Frequency v/s Read Range Graph



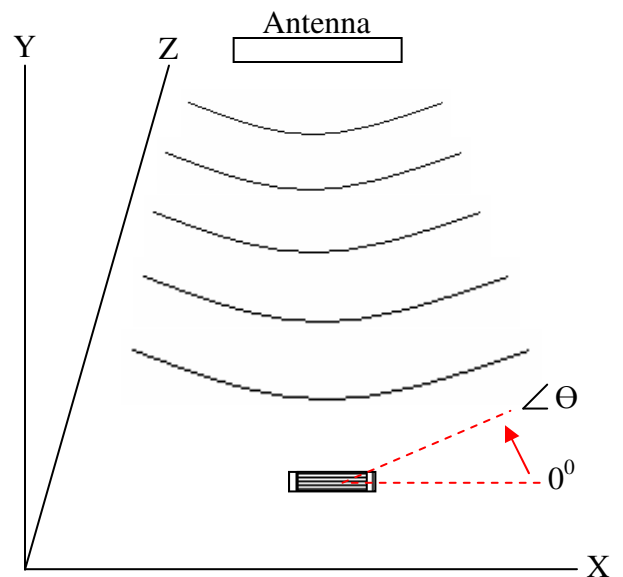
## Angular Sensitivity

### 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