



M-Warrior Tag

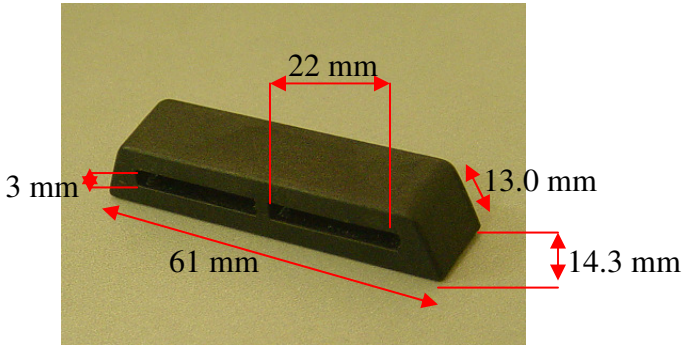
FEATURES

- Operates effectively with a very good read range, especially when attached to metal.
- Rugged construction for high durability
- Can be attached by cable ties with the help of two opening provided.
- 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 512 bit	
	Data retention of 10 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	61 x 14.3 x 13 mm
	Material	ABS
	Colour	Blue
	Weight	9 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:	32W01	
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	



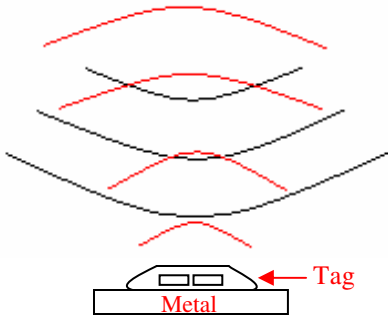
Tag Placement

- ✦ 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



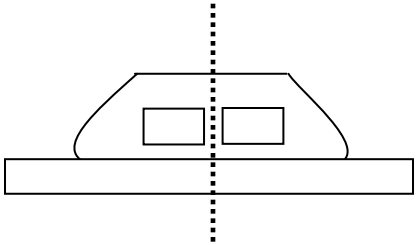
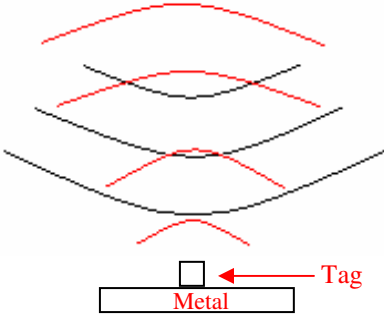
Antenna



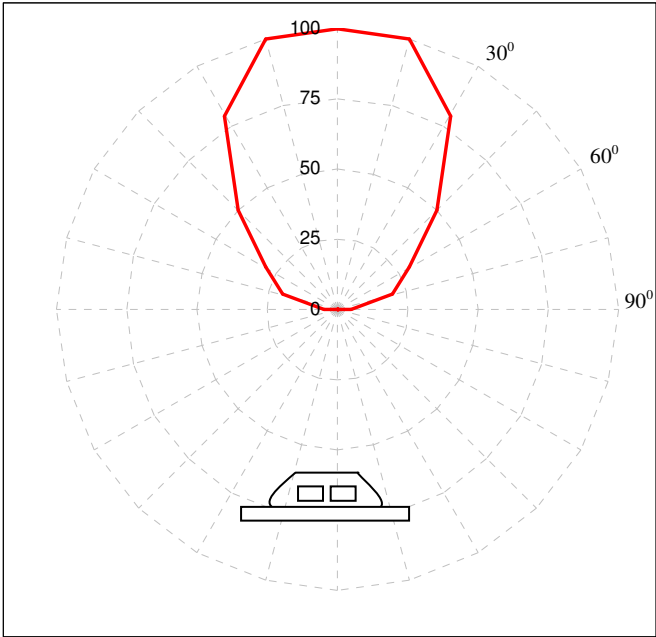
Wrong way



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
- ✦ Attachment through adhesive should be used only for indoor application



Estimated Radiation pattern of tag when placed along its axis.

Read range (in percent) at various angle.