M-Superior Tag

FEATURES

- M-Superior is a frequency independent tag and operates effectively with read range of over 15m 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.

APPLICATIONS

- Due to high read range, M-Superior 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.

Chip Type:	**Impinj Monza 4QT EPC Class 1 Gen 2**	
	EPC 96 bit extendable up to 128 bits	
	User Memory 512 bit	
	Data retention of 50 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	150 x 58.5 x 14.4 mm
	Material	ABS
	Colour	Blue
	Weight	73 g
Electrical:	Operating Frequency	865-868MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP67	
Thermal:	Storage Temp.	-20°C to +85°C
	Operating Temp.	-20°C to +85°C
Part Number:	344V4	
Options:	Available with:	
	Other IC type e.g. Monza 4D, Monza 4E	
	Other plastic material and colours e.g. PC/ABS	
	Adhesive backing for easy mounting	

Φ 5mm

150mm

14.4mm

58.5mm
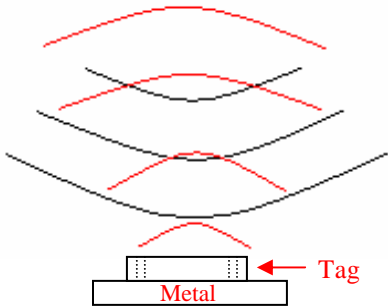
- M-Superior is polarized parallel to line joining its two holes.
- Place the tag in such a way that most of its bottom area comes in direct contact with metal.
- Ensure that there is no hindrance between the tag and the reader antenna.
- Reader antenna should be parallel to the tag length as shown in below figure:
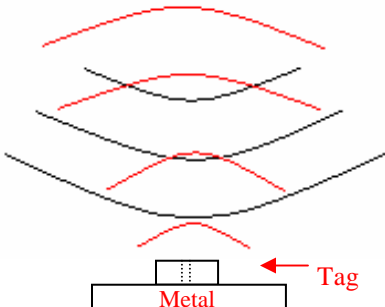
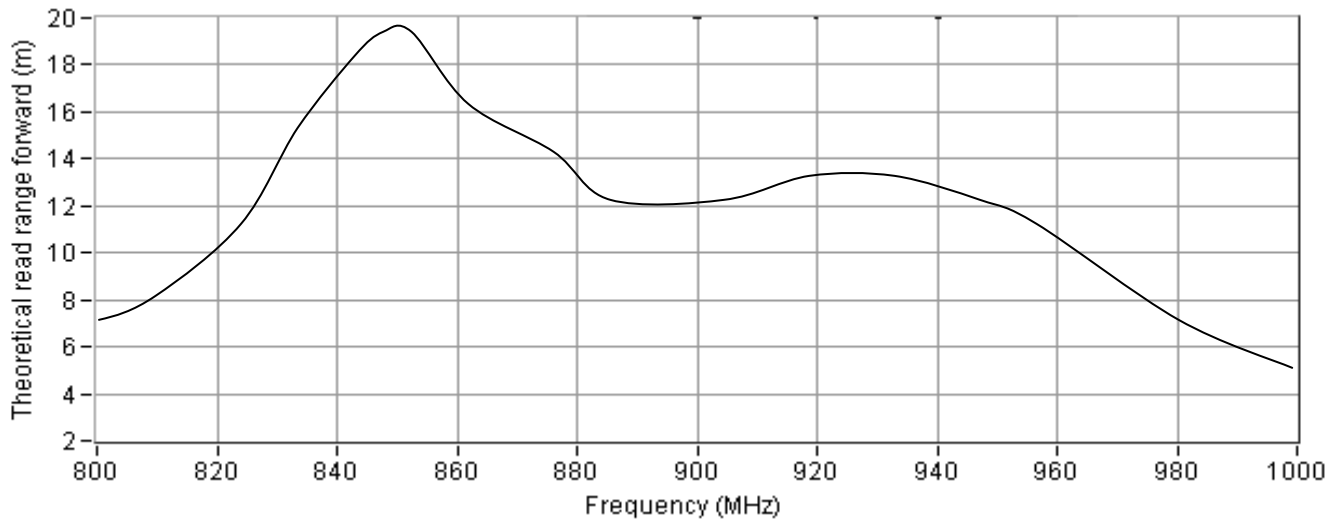**Correct way**
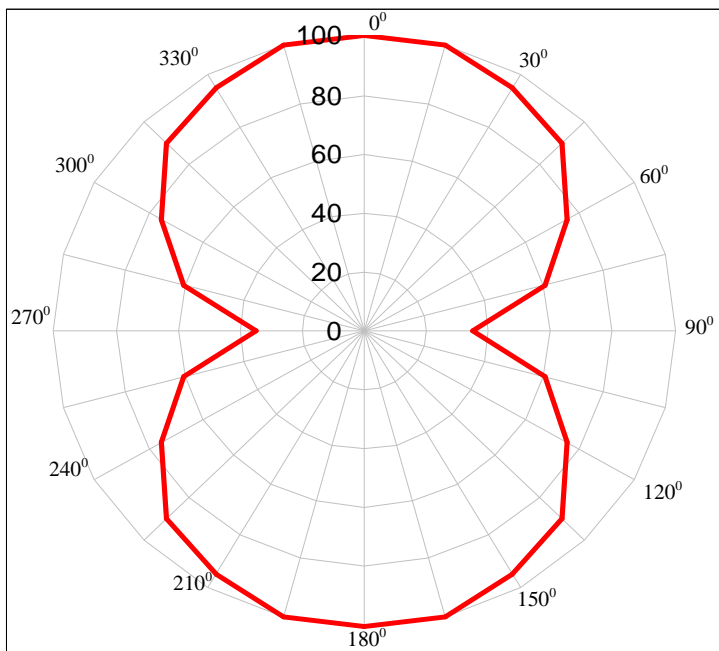
Antenna

Tag

Metal

Wrong way

Antenna

Tag

Metal

- Tag can be attached either through screw M5/ Rivets / Adhesive tape.
- Attachment through adhesive should be used only for indoor application.
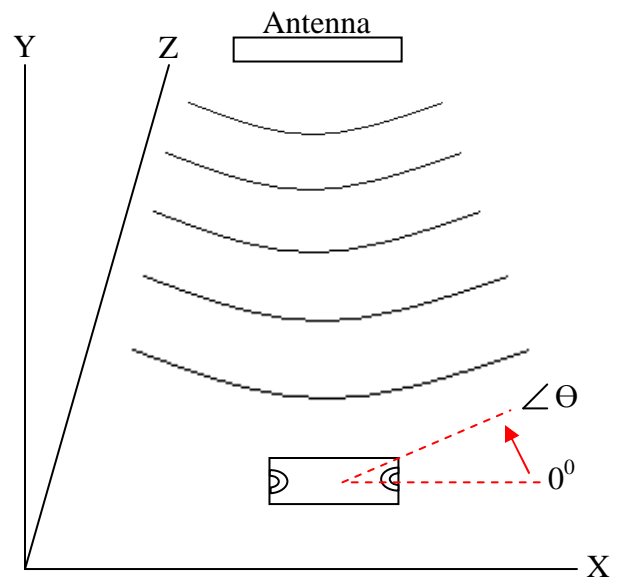
M-Superior Tag Angular Sensitivity
(Relative Read Range vs. Orientation)

Read range (in percent) at various angle.

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