





M-Superior Tag

FEATURES

- M-Superior Tag is ATEX approved and thus can be used in potentially explosive atmosphere.
- 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, Warehouse 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:	Alien Higgs 9, GS1 Class 1 Gen 2	
	EPC Memory: Up to 496-EPC Bits (nominally 96 bits)	
	User Memory: Up to 688 Bits	
	Data Retention: 50 Years	
	Write Endurance: 200,000 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 +70°C
	Operating Temp.	-20°C to +70°C
Part Number:	344V1-Ex01	
Atex Marking details;	Ex II 1 G, Ex ia IIC T5 Ga	
Options:	Available with:	
	Other IC type	
	Other plastic material and colours e.g. PC/ABS	

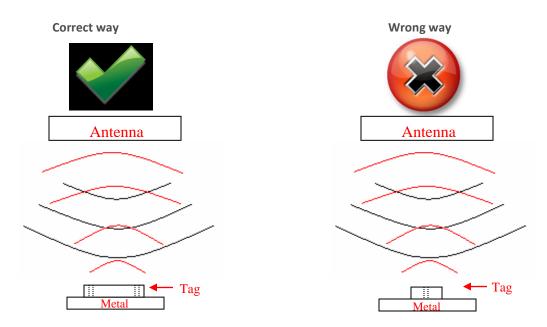
Adhesive backing for easy mounting



Note: Tolerance applicable are Length: ±1mm, Width: ±0.5mm and Thickness: ±0.3mm

Tag Placement

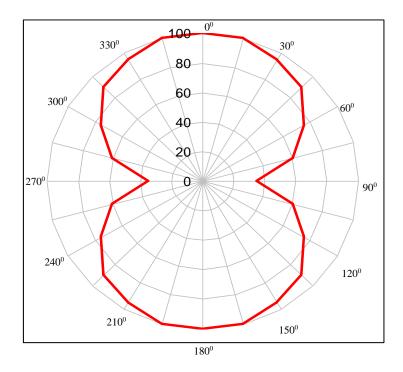
- ♣ M-Superior is polarized parallel to line joining its two holes.
- ♣ Place the tag in such a way that most of its bottom area comes in direct contact with metal.
- ♣ Ensure that there is no hindrance between the tag and the reader antenna.
- Reader antenna should be parallel to the tag length as shown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

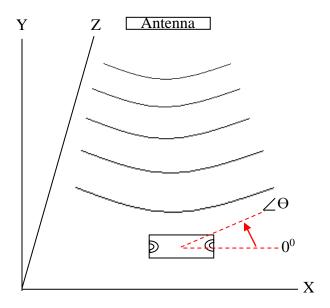


- ◆ Tag can be attached either through screw M5/ Rivets / Adhesive tape.
- Attachment through adhesive should be used only for indoor application.

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