TheTagFactory
ENGINEERING RFID SOLUTIONS

Data Sheet

M-Crown (Max) Tag

FEATURES

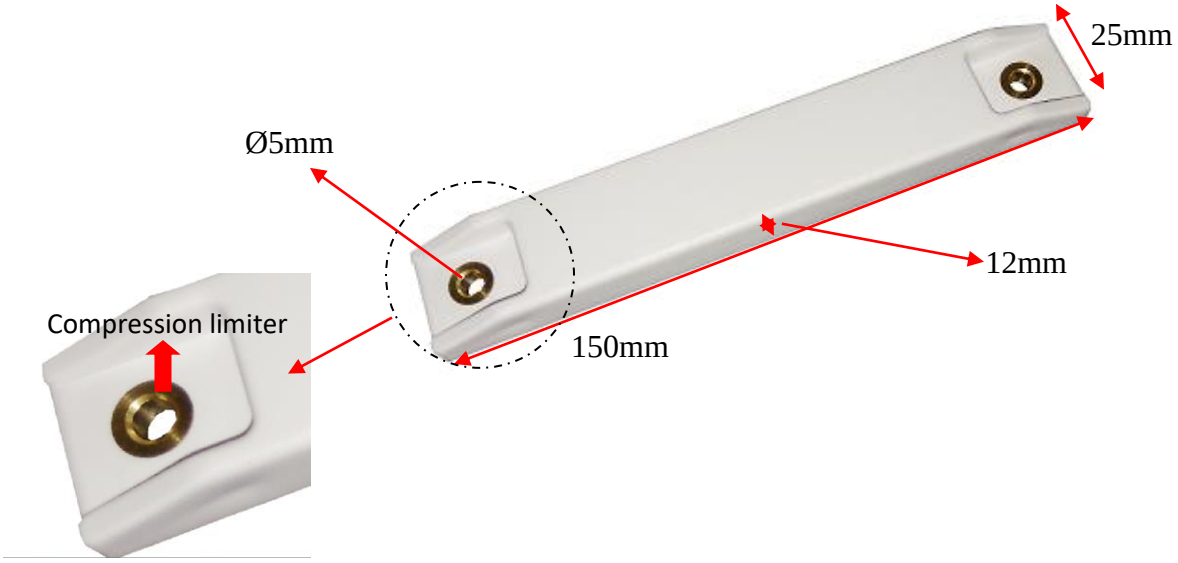
- M-Crown (Max) tag operates effectively with read range of over 15m when attached to metal.
- Rugged construction for high durability.
- Can be attached by screws with the help of two compression limiters.
- Can be attached with pop-nail.
- Can also be provided with Adhesive tape for easy attachment.

APPLICATIONS

- M-Crown (Max) tag can be effectively used in asset tracking, warehouse management, containers and railway coaches' identification.
- 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 25 x 12 mm
	Material	ABS
	Colour	White
	Weight	31 g
Electrical:	**Operating Frequency**	865-868MHz , ETSI Frequency
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP67	
Thermal:	**Storage Temp.**	-25°C to +85°C
	Operating Temp.	-25°C to +85°C
Part Number:	615V1	
Options:	**Available with:**	
	Other IC type on request	
	Other plastic material and colours e.g. PC	
	Adhesive backing for easy mounting	

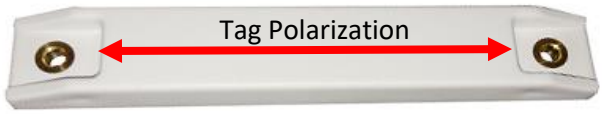
Dimension



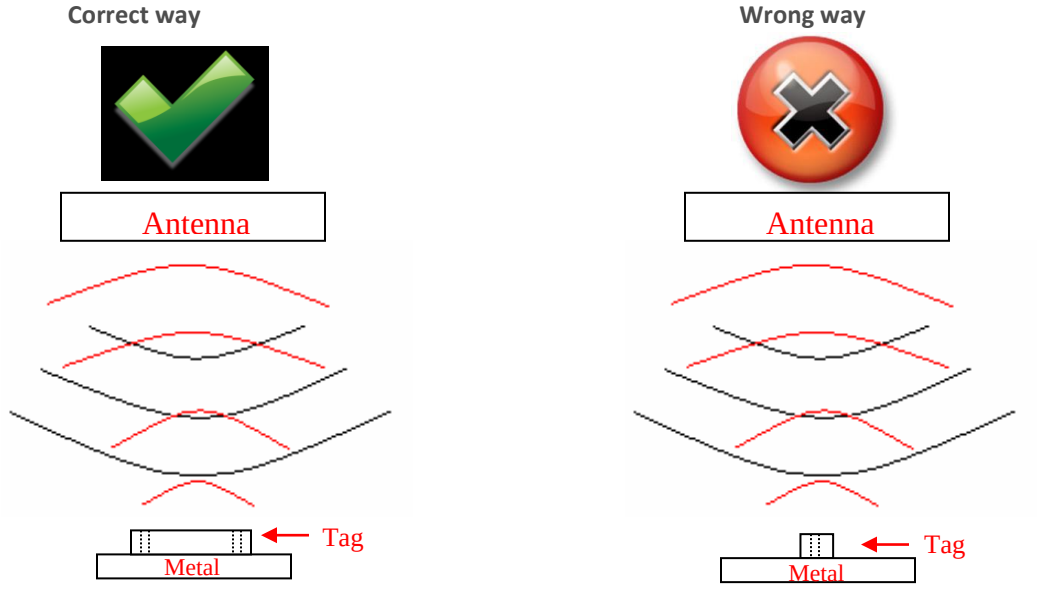
Note: Tolerance applicable are **Length:** ±1mm, **Width:** ±0.5mm and **Thickness:** ±0.3mm

Tag Placement

- M-Crown (Max) is polarized perpendicular to length of tag.



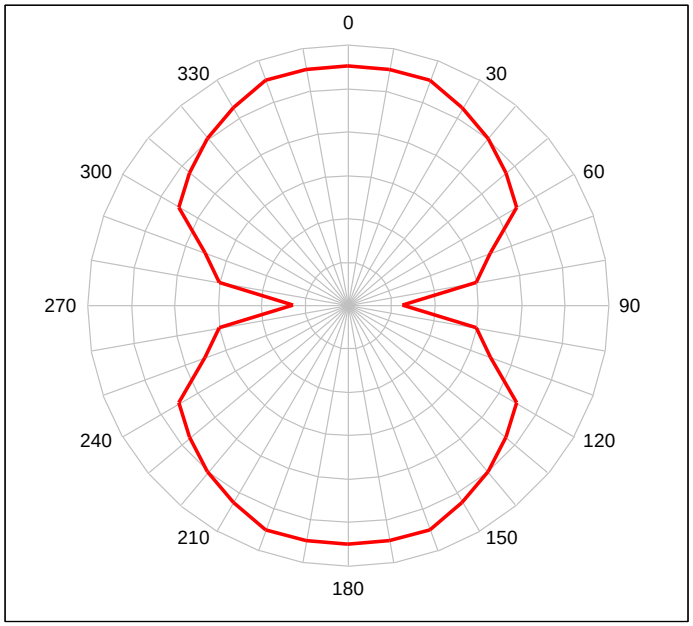
- Place the tag in such a way that most of its bottom area comes in direct contact with metal.
- Ensure that there is no hindrance between the tag and the reader antenna.
- Reader antenna should be parallel to the tag length as shown in below figure:



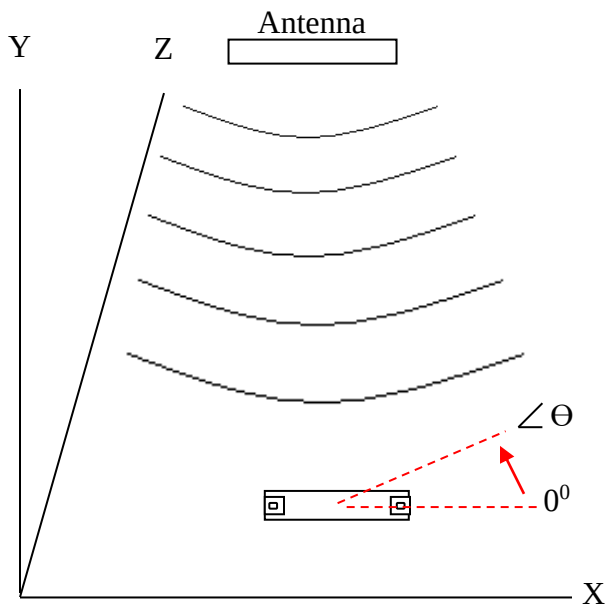
- Tag can be attached either through screw M4/M5 and adhesive tape.
- The distance between hole to hole is 126mm.

M-Crown (Max) 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