



Crown Tag (Global)

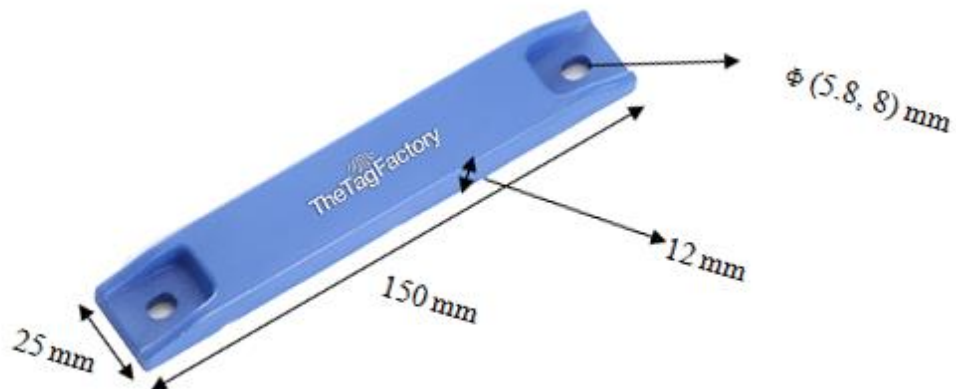
FEATURES

- Crown tag is a frequency independent tag and operates effectively with read range of over 10m when attached to plastic, wooden pallets etc.
- 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.
- Flexible Read/Write Range (reader dependant).

APPLICATIONS

- Due to global frequency tuning and high read range, it can be used in pallet and other asset tracking applications throughout the world irrespective of frequency used in country.
- Most suitable for direct application on corrugated box, parts made up of plastic and wood.
- 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	PC
	Colour	Blue
	Weight	25.8 g
Electrical:	Operating Frequency	860-960 MHz (Global 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:	315V1	
Options:	Available with:	
	Other IC type on request	
	Other plastic material and colours e.g. PC/ABS, ABS	
	Adhesive backing for easy mounting	



Note: Tolerance applicable are **Length:** $\pm 1\text{mm}$, **Width:** $\pm 0.5\text{mm}$ and **Thickness:** $\pm 0.3\text{mm}$.

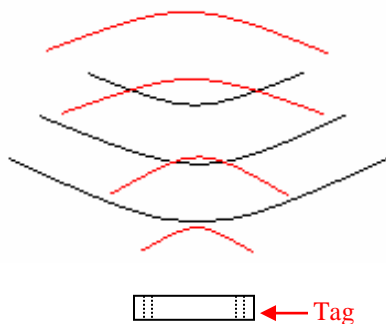
Tag Placement

- ✚ Crown Tag is polarized perpendicular to TTF logo.
- ✚ 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



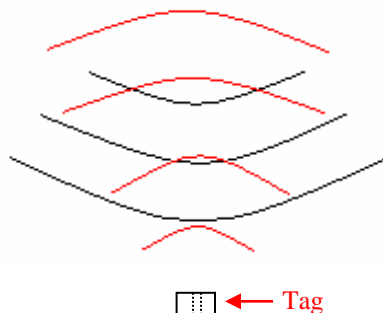
Antenna



Wrong way

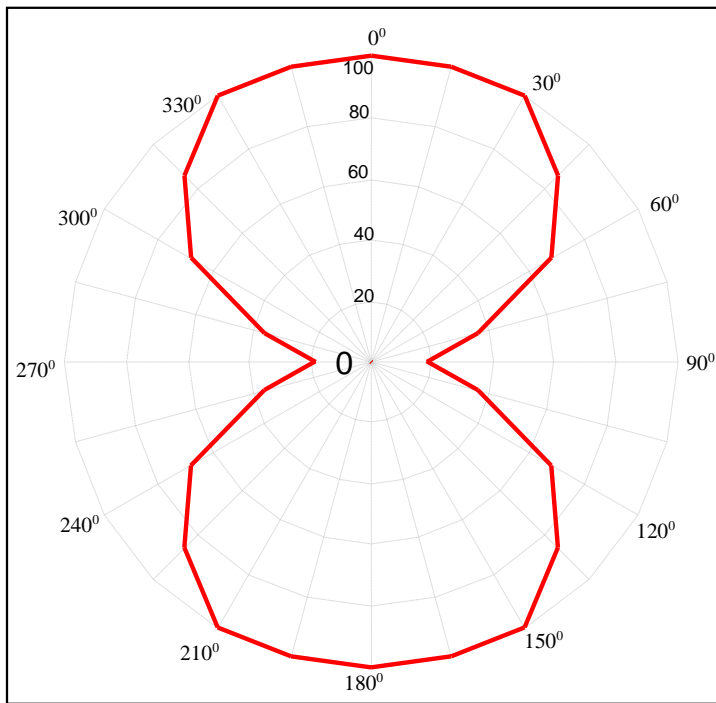


Antenna

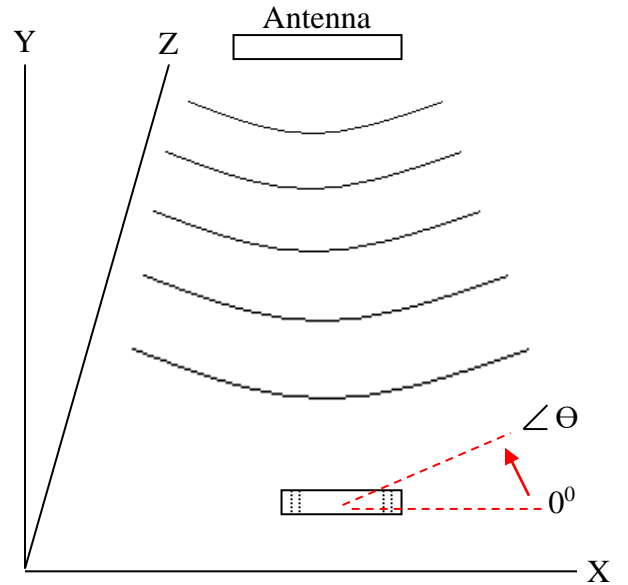


- ✚ Tag can be attached either through screw M5/ Rivets / Adhesive tape.
- ✚ The distance between hole to hole is 126.5 mm. Elliptical shape of hole provides flexible attachment of tag.

Crown 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