




Pallet Tag (Global)

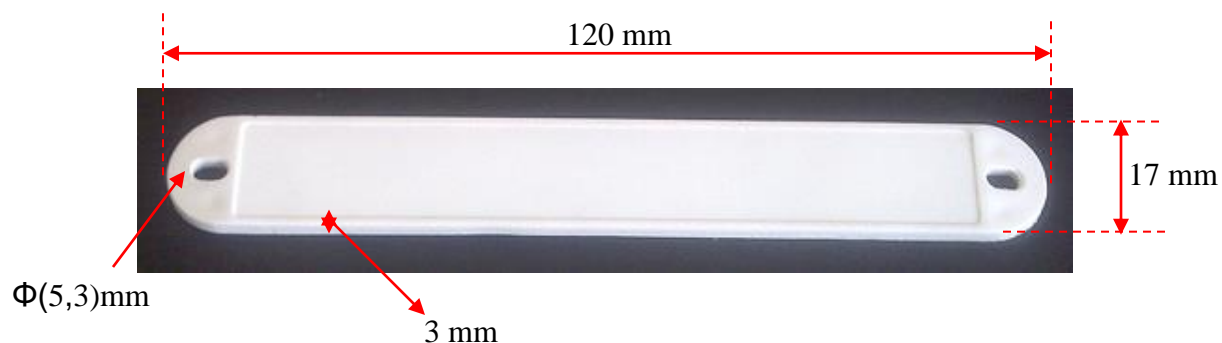
FEATURES

- Pallet Tag is ATEX approved and thus can be used in potentially explosive atmosphere.
- The tag is frequency independent and operates effectively with read range of over 10m when attached to plastic, wooden pallets
- 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.

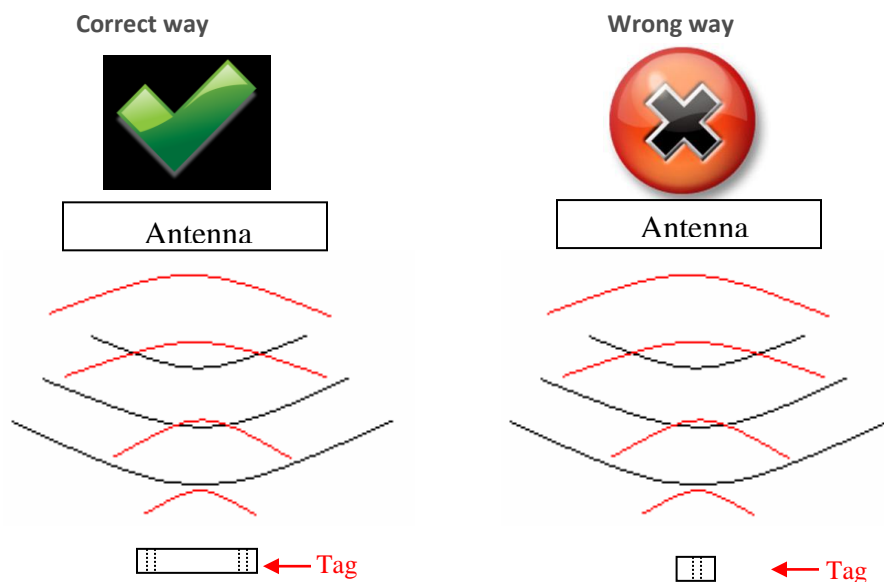
Chip Type:	Alien Higgs 9, GS1 Class 1 Gen 2	
	EPC Memory: Up to 496-EPC Bits (nominally 96 bits)	
	User Memory: Up to 688 Bits	
	Data Retention: 50 Years	
		Write Endurance: 200,000 Cycles
Mechanical:	Dimension	120 x 17 x 3 mm
	Material	PC
	Colour	White
	Weight	5 g
Electrical:	Operating Frequency	860 – 960 MHz
	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:	320V1-Ex02	
Atex Marking details:	 II 1 G, Ex ia IIC T5 Ga	
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

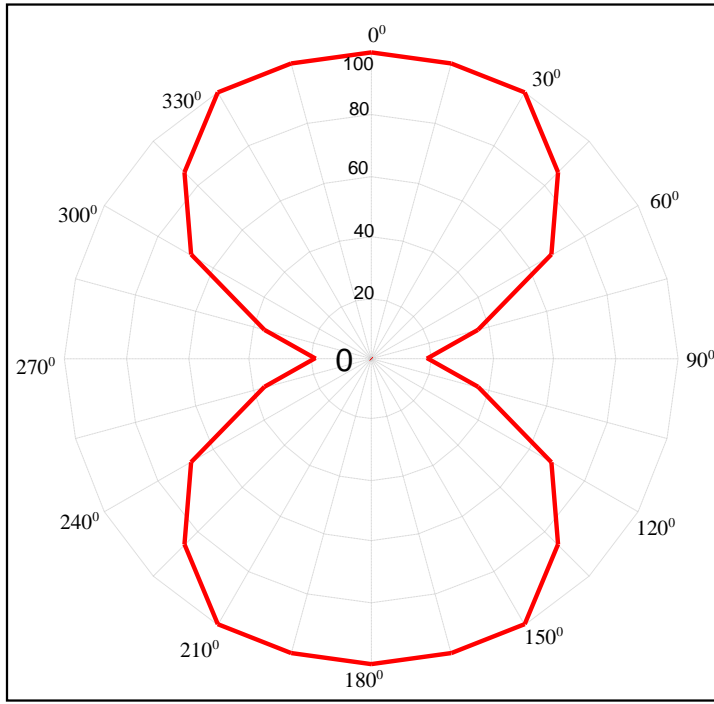
- ✚ 120mm pallet tag is polarized parallel to line joining the two holes.
- ✚ Ensure that there is no hindrance between the tag and the reader antenna.
- ✚ Reader antenna should be parallel to the tag length as shown in below figure:



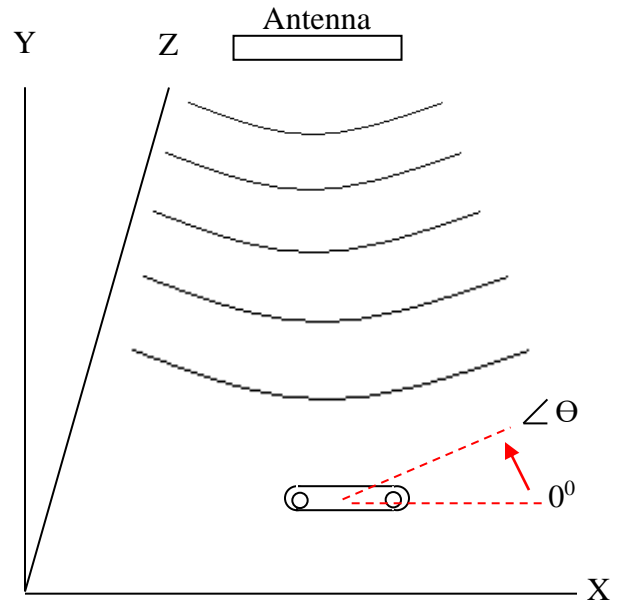
- ✚ Tag can be attached either through screw M3 / Rivets / Adhesive tape.
- ✚ The distance between hole to hole is 108 mm.

Pallet 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