



## Pallet Tag (Global)

### FEATURES

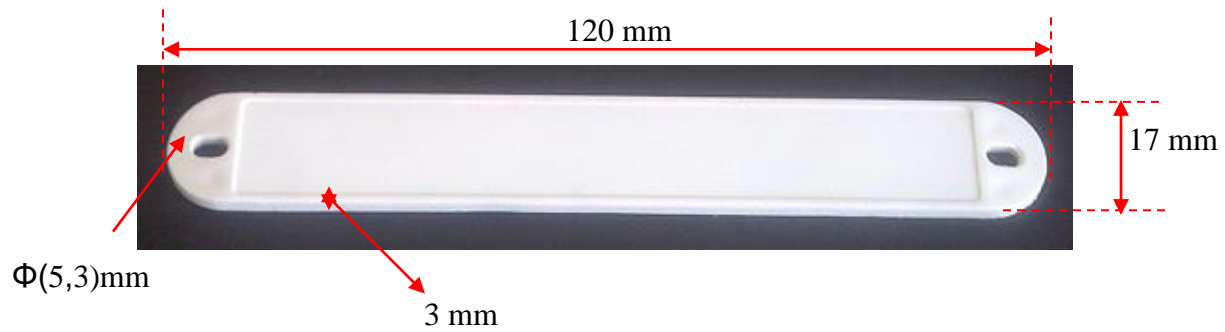
- Pallet tag is a frequency independent tag and operates effectively with read range of over 10m when attached to attached to plastic, wooden pallets
- Rugged construction for high durability
- Can be attached by screws with the help of two holes.
- Can also be provided with Adhesive tape for easy attachment.
- 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.

<b>Chip Type:</b>	<b>Alien Higgs 9, GS1 Class 1 Gen 2</b>	
	<b>EPC Memory:</b> Up to 496-EPC Bits (nominally 96 bits)	
	<b>User Memory:</b> Up to 688 Bits	
	<b>Data Retention:</b> 50 Years	
	<b>Write Endurance:</b> 200,000 Cycles	
<b>Mechanical:</b>	<b>Dimension</b>	120 x 17 x 3 mm
	<b>Material</b>	PC
	<b>Colour</b>	White
	<b>Weight</b>	5 g
<b>Electrical:</b>	<b>Operating Frequency</b>	860-960 MHz (Global Frequency)
	<b>Operating mode</b>	Passive (battery-less transponder)
<b>Ingress Protection:</b>	IP67	
<b>Thermal:</b>	<b>Storage Temp.</b>	-25°C to +85°C
	<b>Operating Temp.</b>	-25°C to +85°C
<b>Part Number:</b>	320V2	
<b>Options:</b>	<b>Available with:</b>	
	Other IC type on request	
	Other plastic material and colours e.g. PC/ABS, ABS	
	Adhesive backing for easy mounting	

## Dimension



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

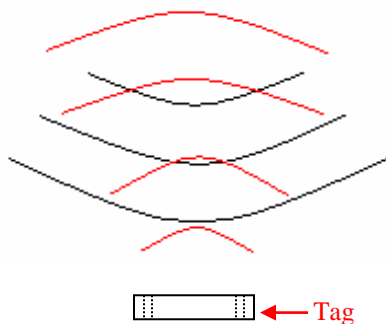
## Tag Placement

- ✚ 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:

### Correct way



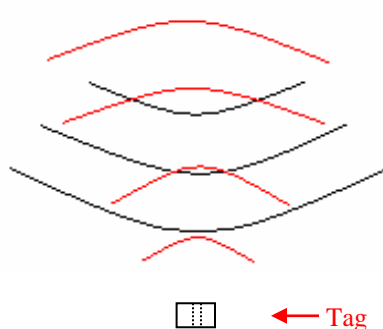
Antenna



### Wrong way

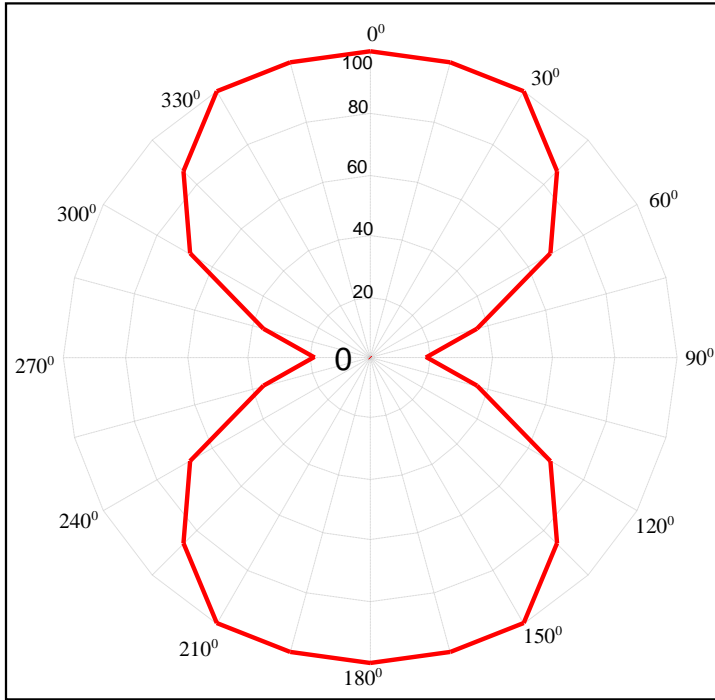


Antenna

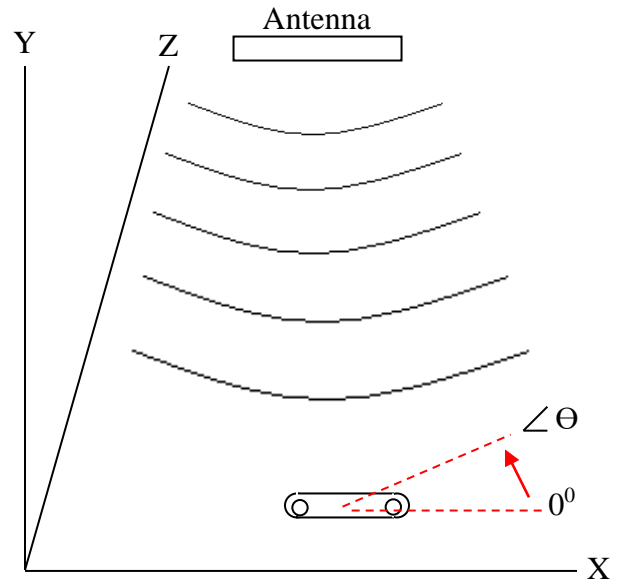


- ✚ Tag can be attached either through screw M3 / Rivets / Adhesive tape.
- ✚ The distance between hole to hole is 108 mm.

## 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