



## Pallet Tag (Global)

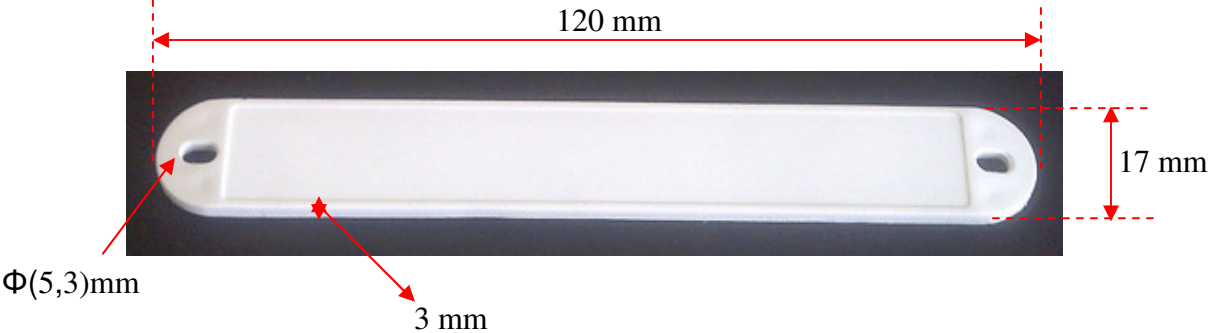
### FEATURES

- Pallet tag is a frequency independent tag 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.

<b>Chip Type:</b>	<b>Impinj Monza-4QT EPC Class 1 Gen 2</b>	
	EPC 96 bit extendable up to 128 bits	
	User Memory 512 bit	
	Data retention of 50 years	
	Write endurance 100.000 cycles	
<b>Mechanical:</b>	Dimension	120 x 17 x 3 mm
	Material	PC
	Colour	White
	Weight	5 g
<b>Electrical:</b>	Operating Frequency	860 - 960 MHz
	Operating mode	Passive (battery-less transponder)
<b>Ingress Protection:</b>	IP67	
<b>Thermal:</b>	Storage Temp.	-20°C to +85°C
	Operating Temp.	-20°C to +85°C
<b>Part Number:</b>	320V4	
<b>Options:</b>	Available with:	
	Other IC type on request e.g. Monza-4D, Monza-4E	
	Other plastic material and colours e.g. PC/ABS, ABS	
	Adhesive backing for easy mounting	



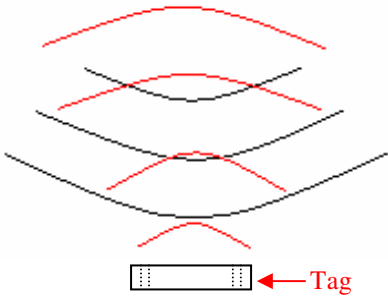
Tag Placement

- ✚ 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



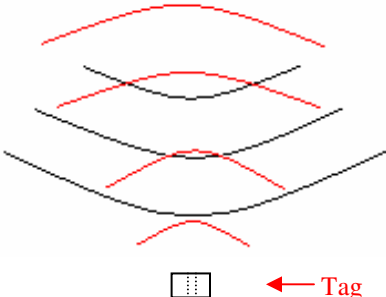
Antenna



Wrong way

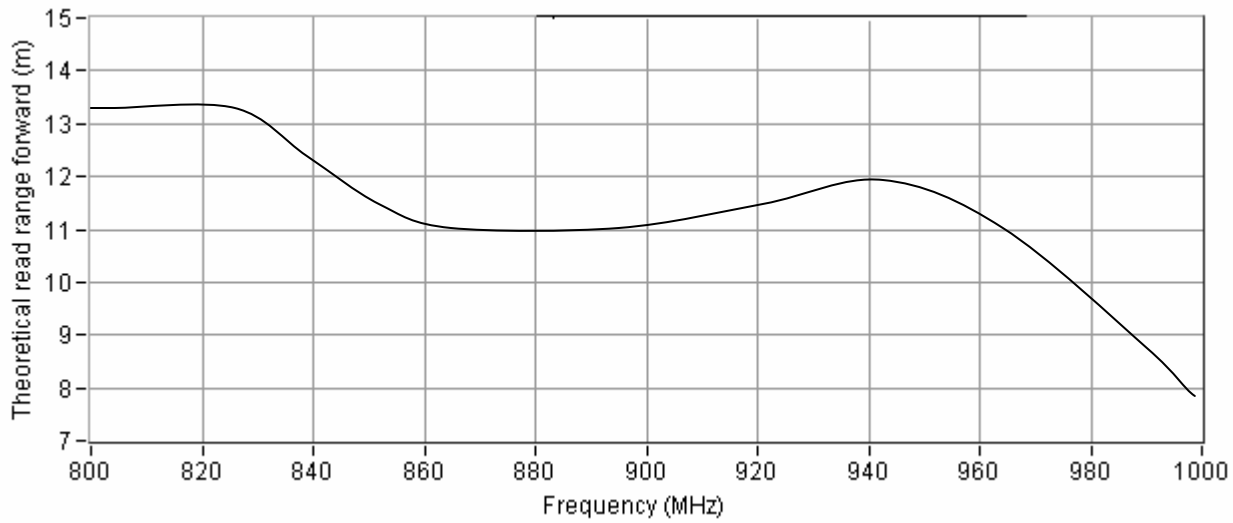


Antenna



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

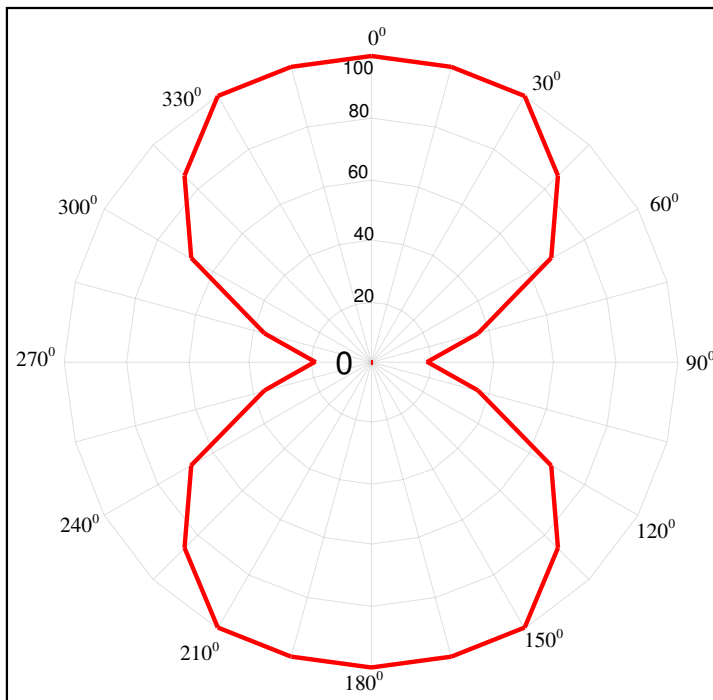
## Frequency v/s Read Range Graph



## Angular Sensitivity

### Pallet Tag Angular Sensitivity

(Relative Read Range vs. Orientation)



Read range (in percent) at various angle.

