Pallet Tag
(Global)
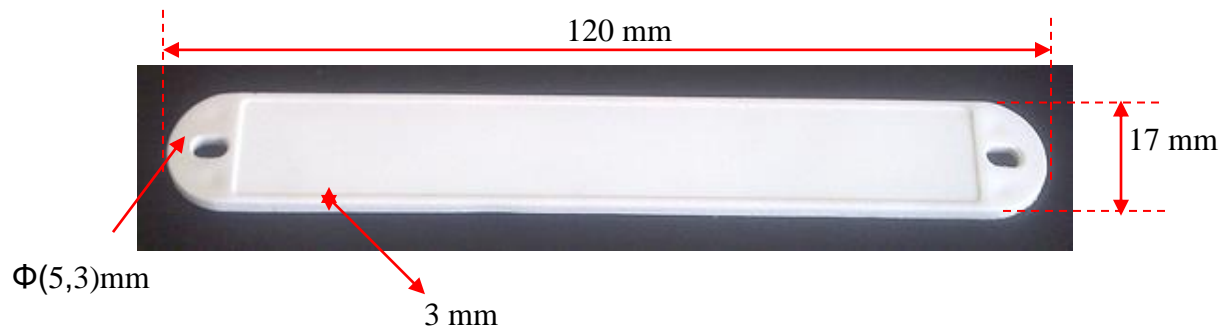
FEATURES

- 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.

Chip Type:	Impinj Monza-4QT EPC Class 1 Gen 2	
	EPC Memory: 96 bits extendable up to 128 bits	
	User Memory: 512 bits	
	Data Retention: 50 years	
	Write Endurance: 100,000 cycles	
Mechanical:	**Dimension**	120 x 17 x 3 mm
	Material	PC
	Colour	White
	Weight	5 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:	320V4	
Options:	**Available with:**	
	Other IC type on request e.g., Monza-4D, Monza-4E	
	Other plastic material and colors e.g., PC/ABS, ABS	
	Adhesive backing for easy mounting	

120 mm

17 mm

Φ(5,3)mm

3 mm

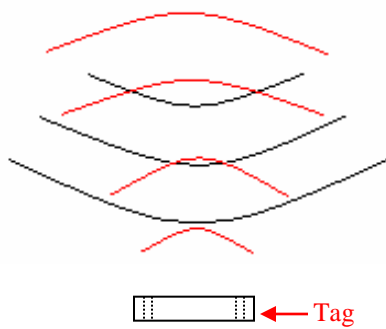Note: Tolerance applicable are **Length:** ±1mm, **Width:** ±0.5mm and **Thickness:** ±0.3mm.

+ 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.
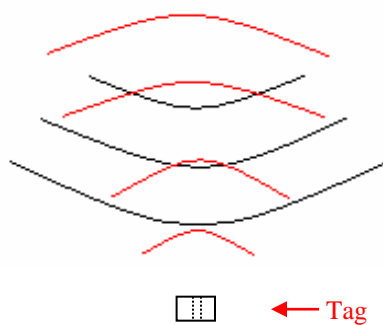+ Reader antenna should be parallel to the tag length as shown in below figure:

Correct way

Wrong way

Antenna

Antenna

Tag

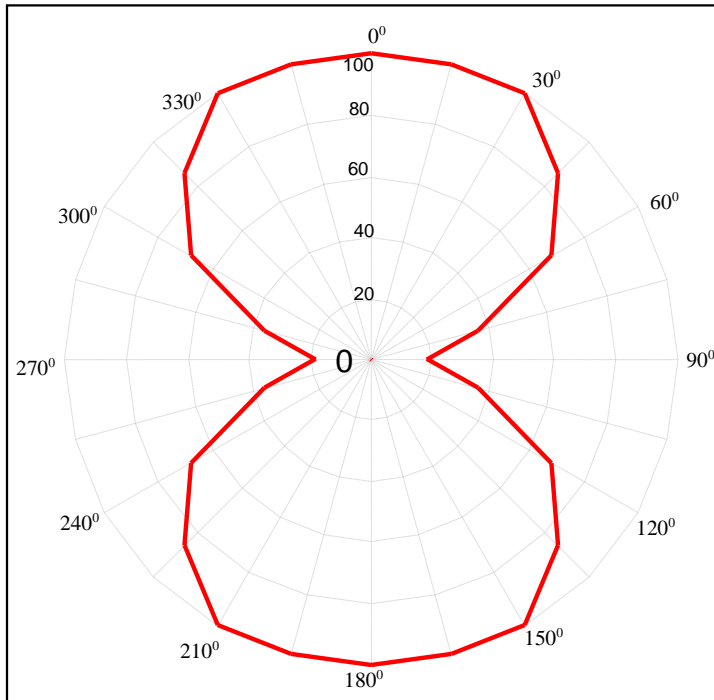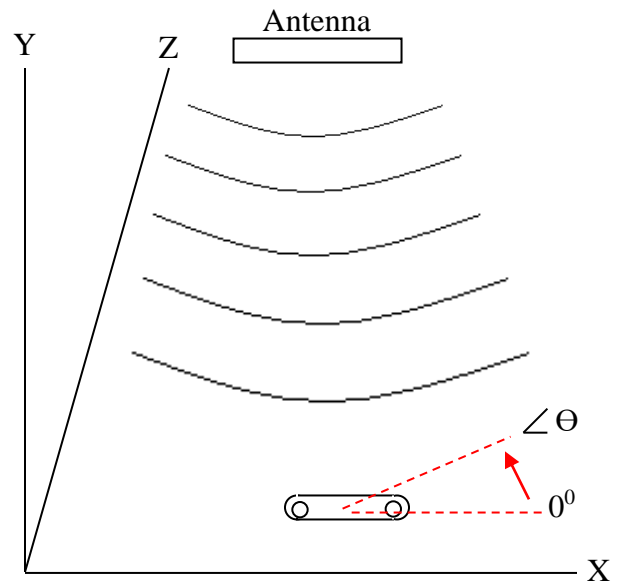Tag

+ 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