![TheTagFactory - ENGINEERING RFID SOLUTIONS logo]
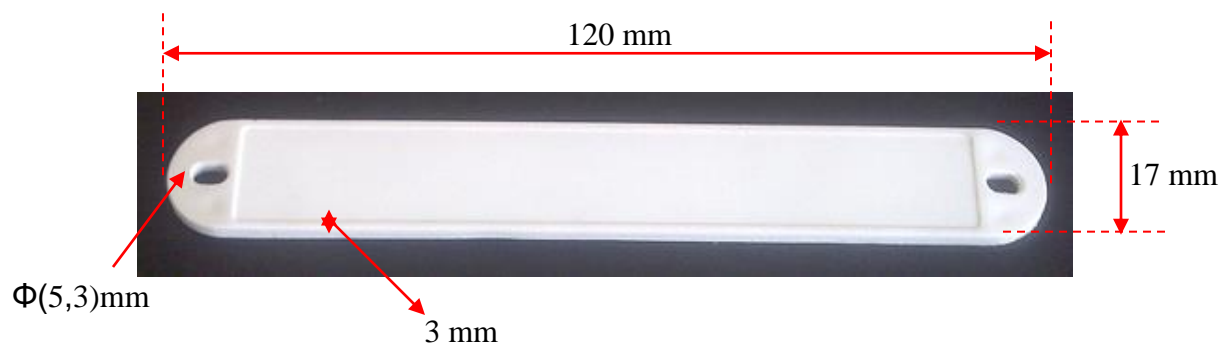
Pallet Tag
(Global)

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 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.
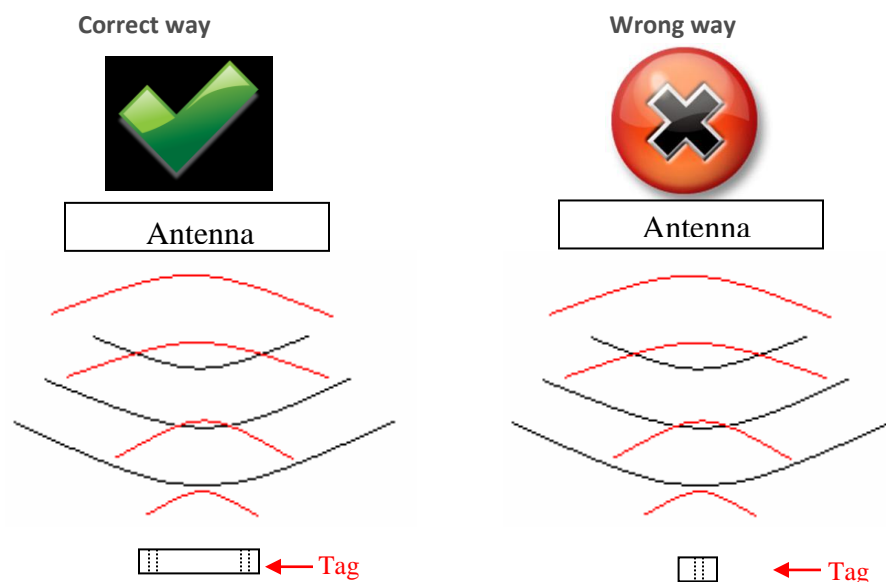- Factory automation, Automotive & Security purpose.

Chip Type:	**Impinj Monza 4QT EPC Class 1 Gen 2**
	EPC 96 bit extendable up to 128 bits
	User Memory 512 bit
	Data retention of 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
	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-Ex04
Atex Marking details:	Ex II 1 G, Ex ia IIC T5 Ga
Options:	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

120 mm

17 mm

Φ(5,3)mm

3 mm

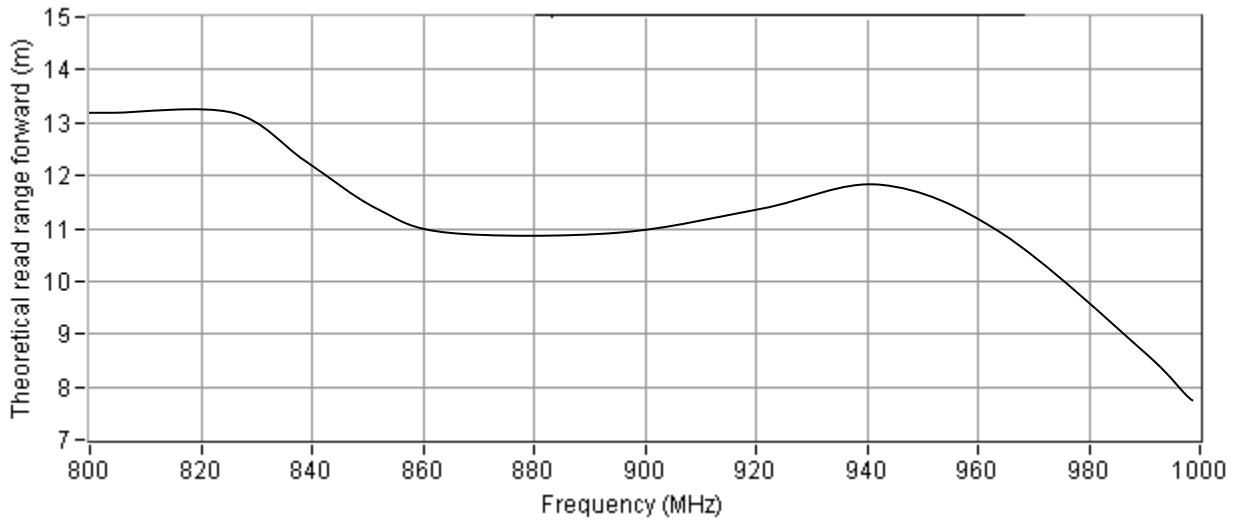Note: Tolerance applicable are Length: ±1mm, Width: ±0.5mm and Thickness: ±0.3mm

- 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.
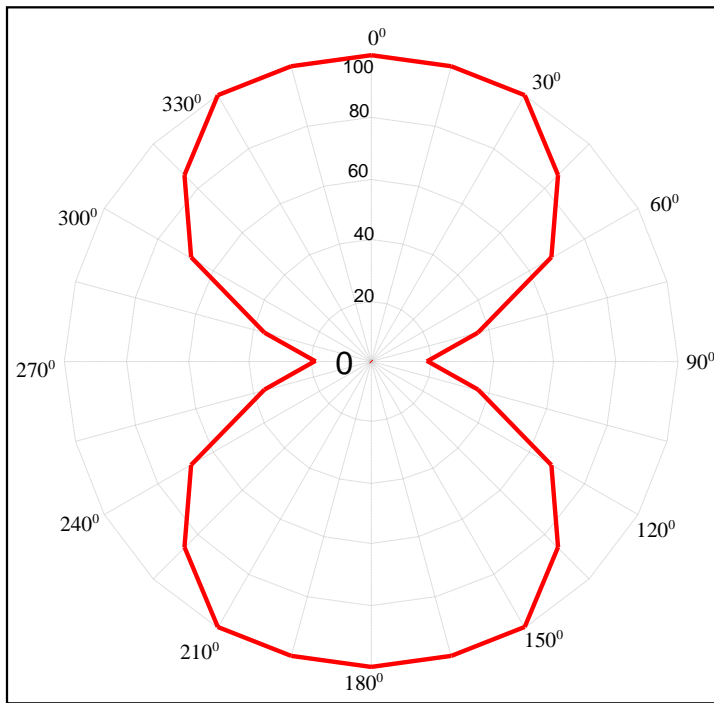- The distance between hole to hole is 108 mm.

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