



# **M-Nano Tag**

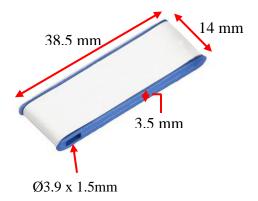
#### **FEATURES**

- M-Nano Tag is very small in size & has very good read range, especially when attached to metal.
- The product has been designed to be easily attached by adhesive.
- Can be used with cable ties through its mounting hole.
- Flexible Read/Write Range (reader dependant).

#### **APPLICATIONS**

- Used in IT asset tracking applications such as backup tapes, servers, hard drives, and media tapes without any human intervention.
- Inventory control of small tools and manufacturing equipment, servers, and network routers.

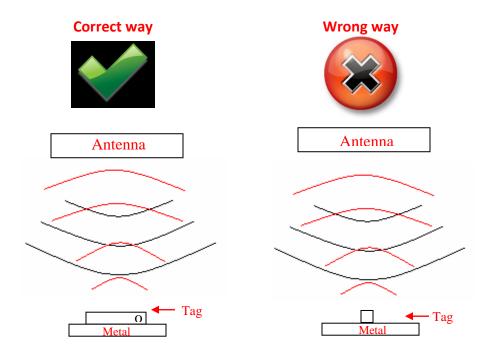
Chip Type:	Impinj Monza-4QT EPC Class 1 Gen 2	
	EPC Memory: 96 bits extendable up to 128 bits	
	User Memory: 512 bits	
	Data Retention: 50 years	
	Write Endurance: 100,000 cycles	
Mechanical:	Dimension	38.5 x 14 x 3.5 mm
	Face Material	Polyester
	Colour	Blue & white
	Weight	2 g
Electrical:	<b>Operating Frequency</b>	865-868MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP54	
Thermal:	Storage Temp.	-25°C to +85°C
	Operating Temp.	-25°C to +85°C
Part Number:	319V4	
Options:	Available with:	
	Other IC type and Frequency on request e.g. Monza-4D, Monza-4E	
	Other colour combination & material	
	Adhesive backing / hanging thread for easy mounting	
	Non-metallic application	



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

## **Tag Placement**

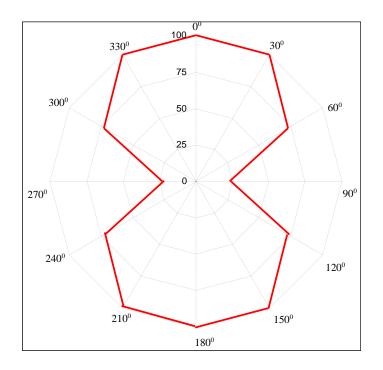
- ♣ M-Nano is polarized perpendicular to TTF logo.
- ♣ Place the tag in such a way that most of its bottom area comes in direct contact with metal.
- **♣** Ensure that there is no hindrance between the tag and the reader antenna.
- ♣ Reader antenna should be parallel to the length of tag as shown in below figure:

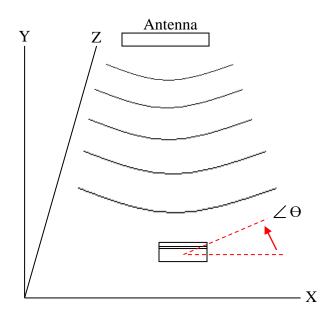


**♣** Tag can be attached through adhesive tape or can be hanged through nylon thread.

## M-Nano Tag Angular Sensitivity

(Relative Read Range vs. Orientation)





Tag is rotated in the X-Y plane about the z axis

Read range (in percent) at various angle.