

## Data Sheet



# 34mm Industry Tag (Metal)

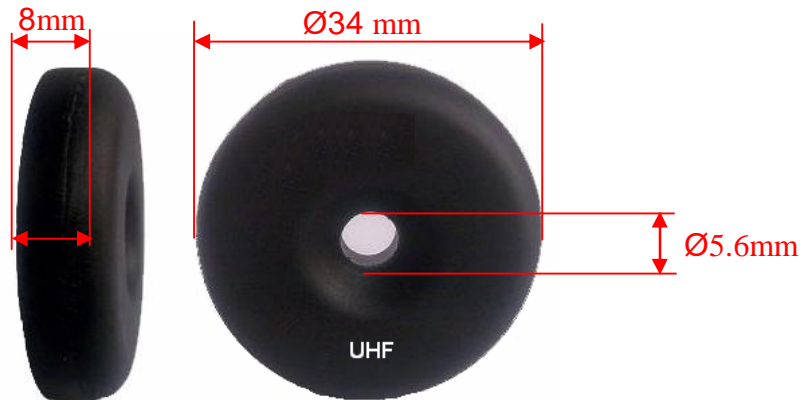
### FEATURES

- The 34mm Tag with multi read/write capability is very small in size and perform best when is attached to metal.
- It is made of PA6 to meet all endurance requirements in terms of heat, harsh environments and chemical resistance.
- Perform in the harshest environments, including harsh chemicals, painting processes & outdoor exposure.
- Dust & Waterproof.
- Flexible Read/Write Range (reader dependant).

### APPLICATIONS

- Specially tuned for metal application thus can be used in variety of applications having metallic environment.
- Being used in industrial environments, as well as in asset tracking applications
- It has been widely used in supply chain, service industries, distribution logistics and manufacturing companies to identify goods & objects in an industrial environment.
- Suitable for factory floor manufacturing applications because of rugged construction (IP Rating).

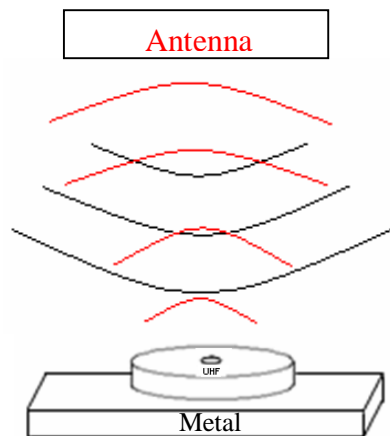
<b>Chip Type:</b>	<b>Alien Higgs 3 EPC Class 1 Gen 2</b>	
	EPC 96 bit extendable up to 480 bits	
	Data retention of 50 years	
	Write endurance 100,000 cycles	
<b>Mechanical:</b>	Outer Dia.	34mm
	Hole Dia.	5.6mm
	Thickness	8mm
	Material	PA6
	Colour	Black
	Weight	7.3 g
<b>Electrical:</b>	Operating Frequency	865 - 868Mhz, (902 - 928Mhz is also available on request)
	Operating mode	Passive (battery-less transponder)
<b>Ingress Protection:</b>	IP68	
<b>Thermal:</b>	Storage Temp.	-40°C to +85°C
	Operating Temp.	-40°C to +85°C
<b>Part Number:</b>	346V1	
<b>Options:</b>	Available with:	
	Other IC type on request	
	Other plastic material and colours	



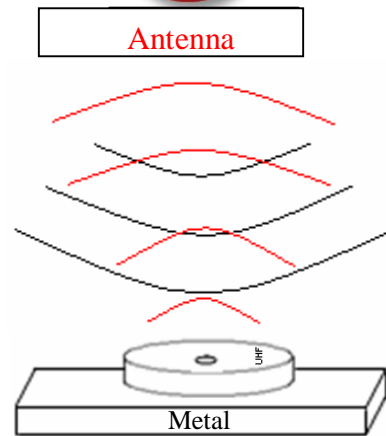
## Tag Placement

- ✚ 34mm industry tag is polarized parallel to the text printed on tag.
- ✚ Ensure that there is no hindrance between the tag and the reader antenna.
- ✚ Reader antenna should be parallel to the text printed on the tag as shown in below figure:

### Correct way



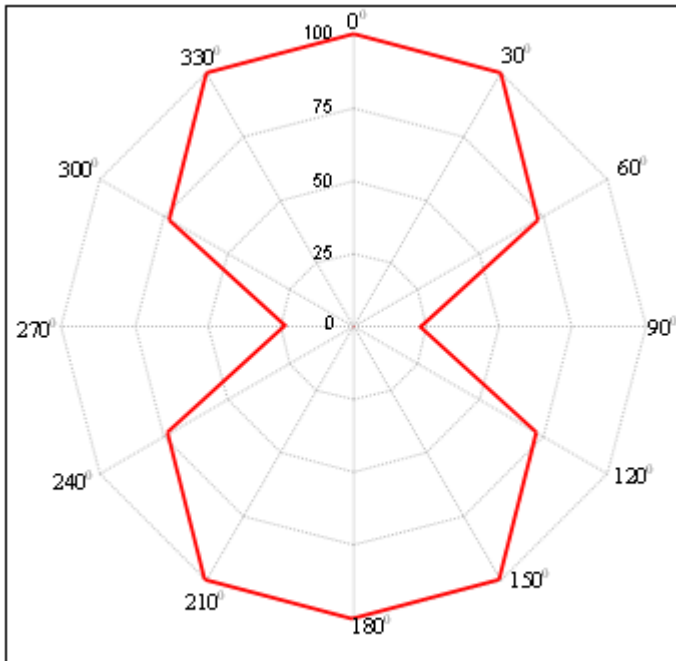
### Wrong way



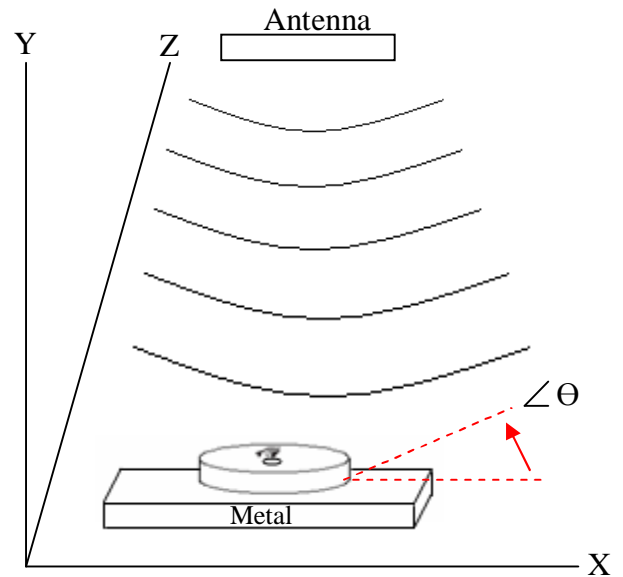
- ✚ Tag can be easily attached with a screw at center hole

## 34mm Industry Tag angular Sensitivity

Relative Read Range vs. Orientation



Read range (in percent) at various angle.



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

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