



34mm Industry Tag (Metal)

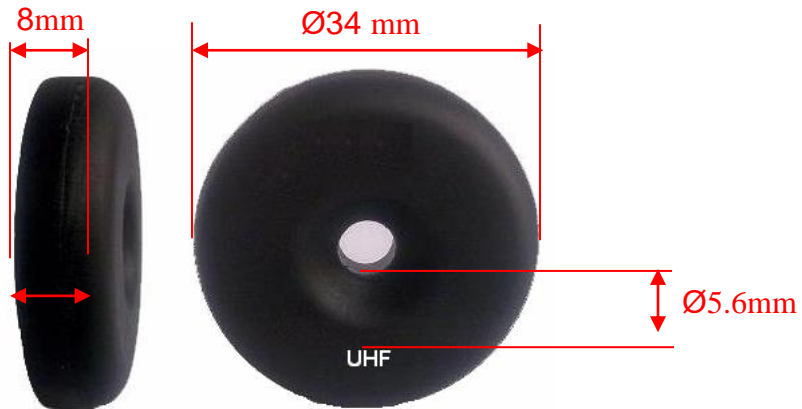
FEATURES

- 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.
- 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).

Chip Type:	Alien Higgs 9, GS1 Class 1 Gen 2	
	EPC Memory: Up to 496-EPC Bits (nominally 96 bits)	
	User Memory: Up to 688 Bits	
	Data Retention: 50 Years	
Mechanical:	Outer Dia.	34mm
	Hole Dia.	5.6mm
	Thickness	8mm
	Material	PA6/ABS
	Colour	Black
	Weight	7.3 g
Electrical:	Operating Frequency	865 – 868Mhz, (902 – 928Mhz is also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68	
Thermal:	Storage Temp.	-25°C to +85°C
	Operating Temp.	-25°C to +85°C
Part Number:	346V1	
Options:	Available with:	
	Other IC type on request	
	Other plastic material and colours	



Note: Tolerance applicable are **Length:** $\pm 1 \text{ mm}$, **Width:** $\pm 0.5 \text{ mm}$ and **Thickness:** $\pm 0.3 \text{ mm}$

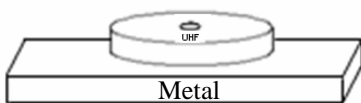
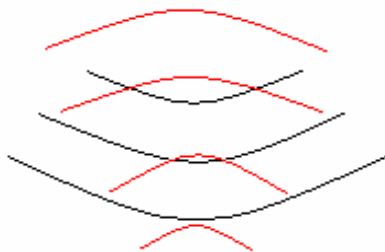
Tag Placement

- 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



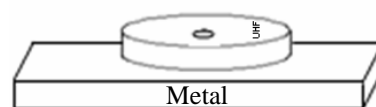
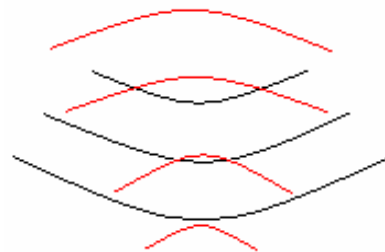
Antenna



Wrong way



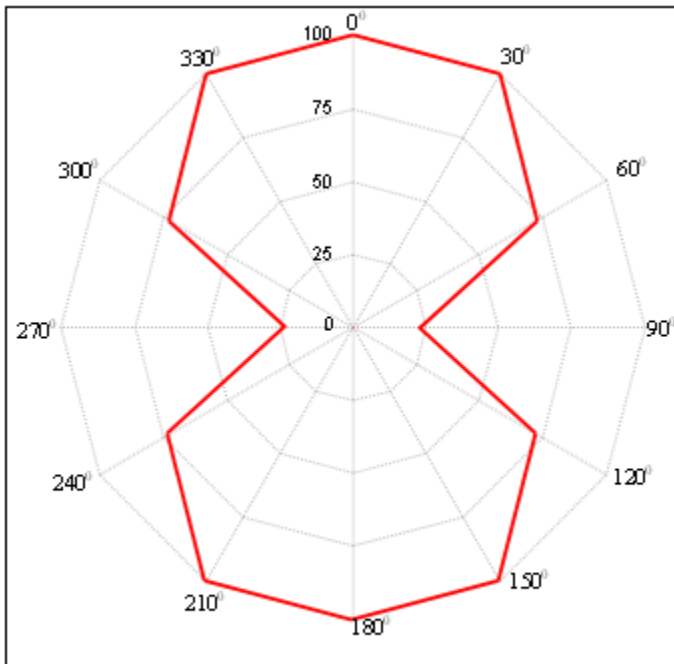
Antenna



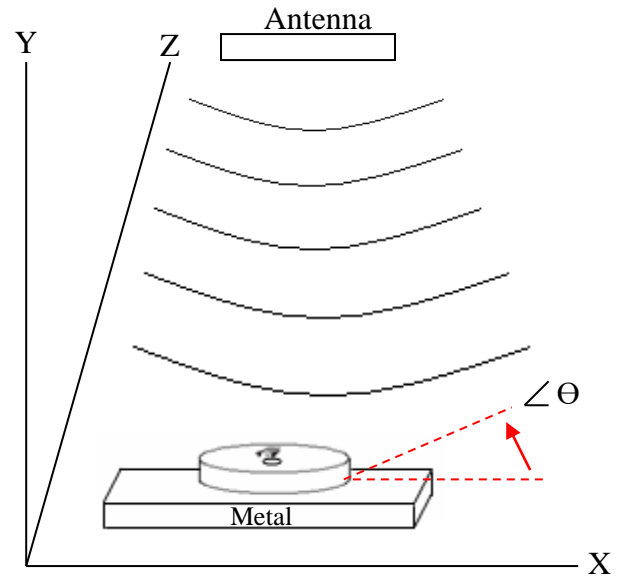
- Tag can be easily attached with a screw at center hole

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