




## Flexible Laundry Tag

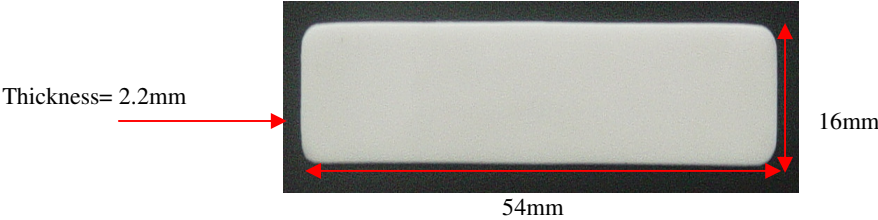
### FEATURES

- Flexible Laundry Tag is ATEX approved and thus can be used in potentially explosive atmosphere.
- The tag is frequency independent and work effectively in laundry application.
- Soft, washable & easily bendable Laundry tag operates effectively with a very good read range.
- Useful for Laundry, Waterproof and High Temperature Applications.
- Flexible Read/Write Range (reader dependant).

### APPLICATIONS

- Due to its global tuning it can be used in tracking of garments in the textile rental and dry cleaning throughout the world.
- The Laundry Tag provides immediate and long term benefits to garment management in process and lifecycle traceability.
- Automatically reading of garments and provide a durable tag that could survive multiple washings

<b>Chip Type:</b>	<b>Alien Higgs 4 EPC Class 1 Gen 2</b>	
	EPC 96 bit extendable up to 128 bits	
	User Memory 128 bit	
	Data retention of 50 years	
		Write endurance 100.000 cycles
<b>Mechanical:</b>	Dimension	54 x 16 x 2.2 mm
	Material	Silicon
	Colour	White
	Weight	1.8 g
<b>Electrical:</b>	Operating Frequency	860-928MHz
	Operating mode	Passive (battery-less transponder)
<b>Ingress Protection:</b>	IP67	
<b>Thermal:</b>	Storage Temp.	-20°C to +120°C, (+220°C for 50 Sec.)
	Operating Temp.	-20°C to +70°C
<b>Part Number:</b>	321Y3-Ex	
<b>Atex Marking details;</b>	 II 1 G, Ex ia IIC T5 Ga	
<b>Options:</b>	Available with:	
	Other IC type and Frequency on request	



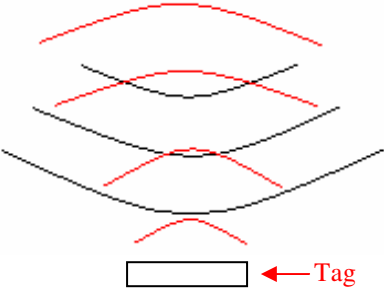
Tag Placement

- ✚ Flexible Laundry Tag is polarized along its length
- ✚ Ensure that there is no hindrance between the tag and the reader antenna.
- ✚ Reader antenna should be parallel to length of tag as shown in below figure:

Correct way



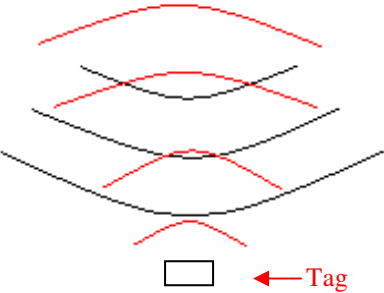
Antenna



Wrong way



Antenna



### Flexible Laundry Tag Angular Sensitivity (Relative Read Range vs. Orientation)

