



## Flexible Laundry Tag

### FEATURES

- 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

- Tracking of garments in the textile rental and dry cleaning.
- 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 3 EPC Class 1 Gen 2</b>	
	EPC	96 bit extendable up to 480 bits
	User Memory	512 bit
	Data retention	of 10 years
	Write endurance	100.000 cycles
<b>Mechanical:</b>	Dimension	55 x 12 x 2.5 mm
	Material	Silicon
	Colour	White
	Weight	1.70 gm.
<b>Electrical:</b>	Operating Frequency	865-869MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
<b>Ingress Protection:</b>	IP68	
<b>Thermal:</b>	Storage Temp.	-25 °C to +120 °C, (+160 °C for 50 min., +220 °C for 50 Sec.)
	Operating Temp.	-25 °C to +70 °C
	Transport Conditions	-40 °C to +70 °C
<b>Part Number:</b>	35U02	
<b>Options:</b>	Available with:	
	Other IC type and Frequency on request	
	Adhesive backing for easy mounting (indoor application)	

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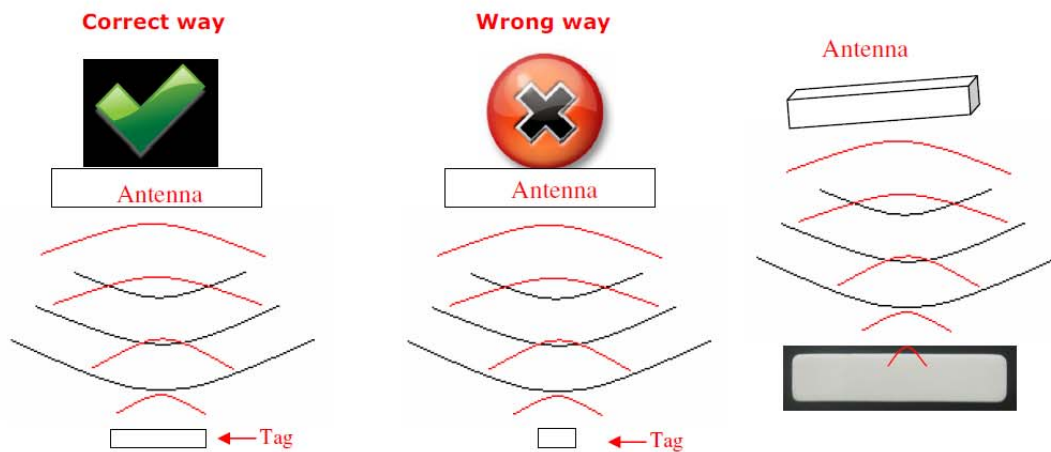
## Dimension



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## Tag Placement

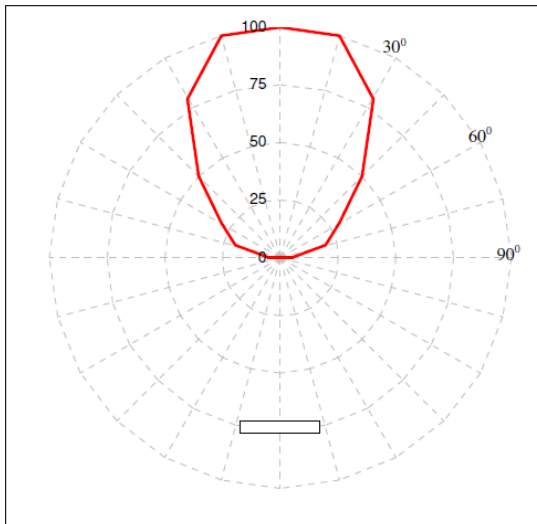
- ✚ Flexible Laundry Tag is polarized along its length
- ✚ Ensure that there is no hindrance between the tag and the reader antenna.
- ✚ Reader antenna should be parallel to length of tag as shown in below figure:



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**Radiation Pattern**

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Estimated Radiation pattern of tag when placed along its axis.

Read range (in percent) at various angle.