



Flexible Laundry Tag (Global)

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

Chip Type:	Alien Higgs 3 EPC Class 1 Gen 2	
	EPC 96 bit extendable up to 480 bits	
	User Memory 512 bit	
	Data retention of 10 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	55 x 12 x 2.5 mm
	Material	Silicon
	Colour	White
	Weight	1.8 g
Electrical:	Operating Frequency	860-960MHz
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP67	
Thermal:	Storage Temp.	-20°C to +120°C, (+220°C for 50 Sec.)
	Operating Temp.	-20°C to +70°C
Part Number:	321V1-Ex	
Options:	Available with:	
	Other IC type and Frequency on request	



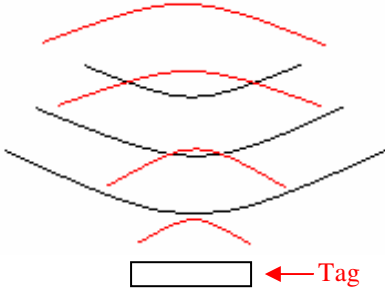
Tag Placement

- ✚ 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



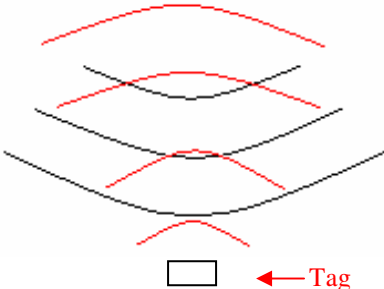
Antenna



Wrong way



Antenna



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

