The Tag Factory
MANUFACTURER OF RFID TAGS

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

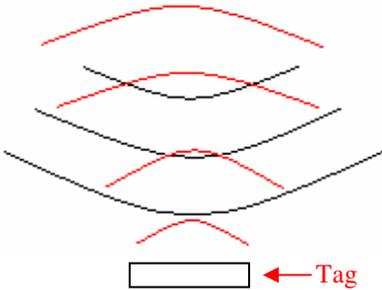|		
Chip Type:	**Alien Higgs 3 EPC Class 1 Gen 2**	
	EPC 96 bit extendable up to 480 bits	
	User Memory 512 bit	
	Data retention of 10 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	55 x 12 x 2.5 mm
	Material	Silicon
	Colour	White
	Weight	1.70 gm.
Electrical:	Operating Frequency	865-869MHz, (902-928MHz also available on request)
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68	
Thermal:	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
Part Number:	35U02	
Options:	Available with:	
	Other IC type and Frequency on request	
	Adhesive backing for easy mounting (indoor application)	

Thickness= 2.5mm

12mm

55mm

Tag Placement

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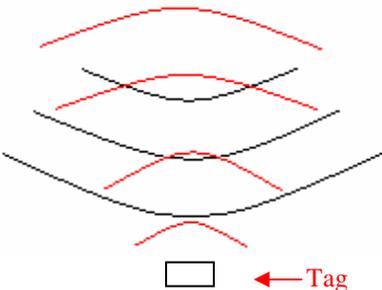- Reader antenna should be parallel to length of tag as shown in below figure:
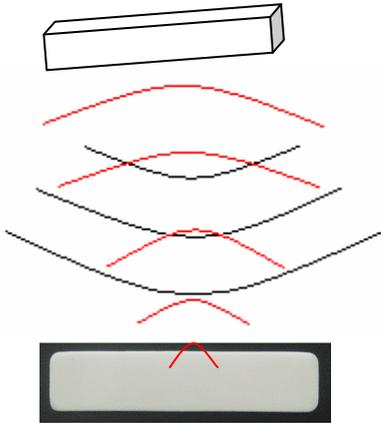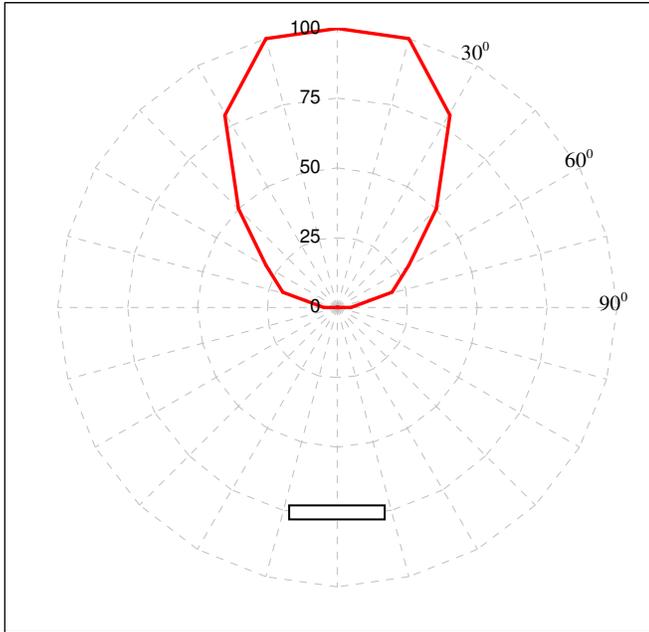
Correct way

Antenna

← Tag

Wrong way

Antenna

← Tag

Antenna

Read range (in percent) at various angle.

Estimated Radiation pattern of tag when placed along its axis.