



Flat Linen King

Flexible Laundry Tag

FEATURES

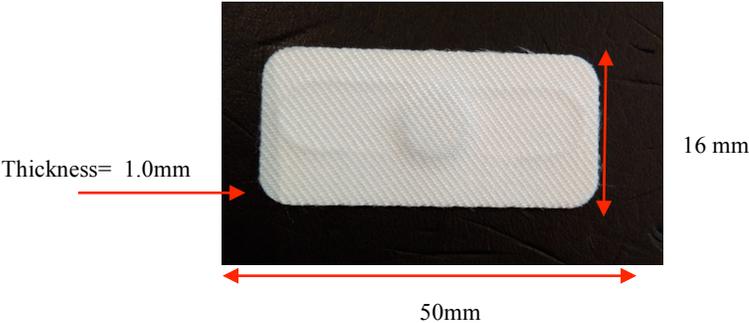
- Flexible & robust UHF Laundry Tag to withstand over 300 repeated industrial washing, drying and pressing cycles.
- Soft, washable & easily bendable Laundry tag operates effectively with a very good read range up to 5 meters.
- Useful for flat linen Laundry to apply with stitching, patching or embedding.
- Flexible Read/Write Range (2W reader ERP, free space up to 5m reader dependant).

APPLICATIONS

- Tracking & Tracing of hotel linen and towels etc.
- T&T of garments/uniforms for Industry and Healthcare
- Provides immediate and long term benefits to garment management in process and lifecycle traceability.

Chip Type:	NXP G2IL EPC Class 1 Gen 2 ISO 18000-6C	
	64 bit TID	
	User Memory 128 bit EPC	
	Data retention of 10 years	
	Write endurance 100.000 cycles	
Mechanical:	Dimension	50 x 16 x 1.0mm / 1.89 x 0.63 x 0.039 in Note: at chip 1.7mm / 0.067in
	Material	Cotton outside
	Colour	White
	Weight	0.70 gram
Withstands fluids:	All chemicals used in laundry process	
Electrical:	Operating Frequency	869MHz ETSI or 915 MHz FCC
	Operating mode	Passive (battery-less transponder)
Ingress Protection:	IP68 / Water Press extraction up to 60 bars	
Thermal:	Storage Temp.	-40°C to +85°C / -40° to + 185 °F
	Operating Temp.	-40°C to +85°C / -40° to + 185 °F
	Drying Temperatures / Tunnel Calendaring	120°C/248°F / 185°C to 365 °F
Part Number:	LK 03101955	
Warranty	2 Years	

Dimension



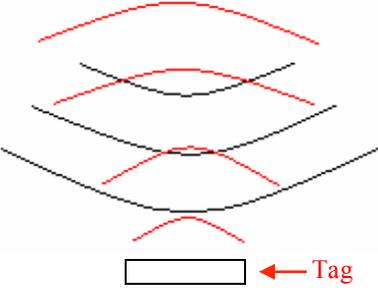
Tag Placement

- ✦ Flat Linen King 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



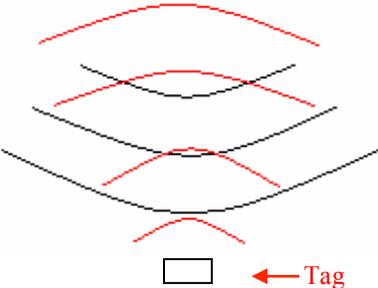
Antenna



Wrong way



Antenna



Flat Linen Flexible Laundry Tag Angular Sensitivity

(Relative Read Range vs. Orientation)

