

# DATASHEET

## Laundry Tag

Tag Code: L092131

Laundry Tag is the rugged tag designed for laundry and linen management. This RFID tag is designed to meet all requirements in terms of pressure, heat and chemical resistance in the applications of contactless tracking of garments in textile rental and dry cleaning.



## Electrical Specification

Air Interface Protocol	ISO/IEC 11784/85
Operational Frequency**	125kHz (134.2kHz on request)
Chip**	EM4305
	512 bit EEPROM organized in 16 words of 32 bit
	❖ 32 bit unique identifier (UID)
	❖ 32 bit Password read and write protection
	❖ Lock feature converts EEPROM words into Read Only
	❖ Two data encodings: Manchester and Bi-phase
	❖ Multi-purpose data rate: 8, 16, 32, 40 and 64 RF clocks

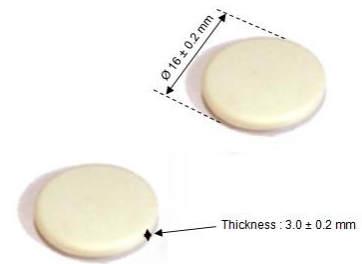
## Physical / Mechanical Specification

Diameter	Ø16 ± 0.2 mm
Thickness	3.0 ± 0.2 mm
Weight	0.9 g
Encasement	PPS
Color**	White
Quality Assurance	100% reader tested

## Environmental Resistance

Operating temperature	-40°C to +150°C , 180°C for short duration
Storage temperature	-40°C to +120°C
Ingress protection rating	IP68
Attachment***	Sewing
Applicable surface	Fabric

## Dimensions



## Chemical Resistance

Resistant to continuous exposure to salt water for 2 hours

Resistant to continuous exposure to motor oil for 2 hours

Additionally, abrasion resistant against HCL and IPA

## Additional Services

Pre-encoding	On request
Customization***	Logo / text printing on request

\* Actual Read range may vary depending upon the reader and environmental factor

\*\* Other on request

\*\*\* Available as an option at extra cost

## Order Information

Part No.	Description
L092131	With EM 4305
L092171	With EM 4200
L092055	With NXP HitagS 256

### Omnia Technologies Pvt. Ltd.

Corporate Office

Plot No. 145, Udyog Vihar Phase 1, Gurugram, Haryana-122016, INDIA

Manufacturing Unit

Plot No. 68, Sector-5, IMT Manesar, Gurugram, Haryana-122050, INDIA | +91(124) 4366174, 4366411, +91 (124) 4366410 (Fax)