

# DATASHEET

## Universal Tag ( with hole)

Tag Code: H123157

Universal Tag is ideal for asset tracking across various applications in industrial & logistics verticals. It can be made in different sizes with easy customization possibilities. It is available with different chips and memory sizes.



### Electrical Specification

Air Interface Protocol	ISO/IEC 14443 Type A
Operational Frequency	13.56 MHz
Chip**	NXP Mifare Ultralight
	512 bit, organised in 16 pages, 4 bytes per page
	384 bit user read/write area (12 pages)
	Data transfer of 106 Kbit/s
Data Retention	5 years
Write endurance	10,000 cycles

### Physical / Mechanical Specification

Dimensions	Ø 30 ± 0.2mm
Thickness	3.0 ± 0.2 mm
Hole Dia	Ø 3.0 ± 0.2 mm
Weight	3.0 gm
Encasement	PC
Color**	Black
Quality Assurance	100% reader tested

## Environmental Resistance

Operating temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Ingress protection rating	IP66
Attachment***	Self Adhesive / Rivet
Applicable surface**	Off metal

## 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
H123157	With NXP mifare UL chip
H123209	With NXP I-CODE SLI-X-L
H123107	With NXP I-CODE SLI
H123098	With NXP Mifare 1K

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