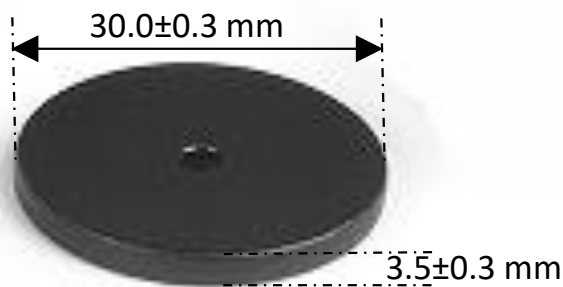# HF 30 mm Universal Tag

Product Code: H123158

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.

Tag Dimensions

30.0±0.3 mm

3.5±0.3 mm

Electrical Specifications

Air Interface Protocol	ISO/IEC 14443 Type A
Operational Frequency	13.56 MHz
Chip**	NXP Mifare Ultralight
	512 bits, 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
Read Range*	Up to 30 mm on GIS TS-HR 38 Reader
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
Expected Lifetime	Up to 5 Years in normal operating conditions

Physical and Mechanical Specification

Dimensions	Ø30 ± 0.3mm
Thickness	3.5 ± 0.3 mm
Hole Diameter	Ø3.0 ± 0.2 mm
Weight	3.0 gm
Encasement	PC
Colour**	Blue /Black/Red
Quality Assurance	100% reader tested

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

Order Information

H123158	With NXP Mifare UL chip
H123209	With NXP I-CODE SLIX-L
H123107	With NXP I-CODE SLI
H123098	With NXP Mifare 1K

*	Actual read range may vary depending upon the reader
**	Other on request
***	Available as an option at extra cost