



FEATURES

- 13.56 MHz / 125 KHz / 134.2 KHz Tags
- Read/Write or Read Only Versions
- ISO 15693 / ISO 11784 standards compliant
- Small size form factor

APPLICATIONS

- Industrial Laundry
- Asset Management
- High Temperature Environment
- Harsh Chemical Environment



11 mm Laundry Tag



15 mm Laundry Tag

FUNCTIONAL SPECIFICATIONS:

Operating Frequency	13.56 MHz (+0.5/-0.2 MHz)	125±6 KHz, 134.2±3 KHz
ISO Standard Compliance	ISO 15693 / ISO 14443	ISO 11784
Memory Type	Tag-it 256 bits, R/W I CODE SLI-L / SLIX-L 256 bits R/W I CODE SLI / SLIX 1024 bits R/W MIFARE 1K bits R/W MIFARE 4K bits R/W NTAG213	EM4102 64 bits, R/O HITAG S 256 bits, R/W EM4305 512 bits, R/W

PHYSICAL SPECIFICATIONS:

Diameter (mm) x Thickness (mm)	22.0±0.3 x 3.15±0.05 15.4±0.1 x 2.85±0.05 15.1±0.1 x 2.65±0.05 11.1±0.1 x 2.55±0.05	22.0±0.3 x 3.15±0.05 15.4±0.1 x 2.85±0.05 15.1±0.1 x 2.65±0.05
Material	PPS Injection molding / Epoxy	PPS Injection molding / Epoxy
Color	Ivory White / Brown / Black / Grey	Ivory White / Brown / Black / Grey

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature (°C)	+10 to +70	+10 to +70
Storage Temperature (°C)	-40 to +85	-40 to +85
Heat Resistance (°C)	150°C for 15 minutes	150°C for 15 minutes
Mechanical Vibrations	10g, 20-1000 Hz, 3 axis, 2.5 Hrs	10g, 20-1000 Hz, 3 axis, 2.5 Hrs
Water Immersion	IP68	IP68
Mechanical Shock	40g, half-shine, 18ms, 6 axis, 2000 times	40g, half-shine, 18ms, 6 axis, 2000 times
Industrial Wash Cycles	Up to 200 Wash cycles	Up to 200 Wash cycles
Washing Extractor Load	Up to 500 Kg	Up to 500 Kg

- Tags with other ICs from NXP, EM, Infineon, Atmel, ST Micro, TI, Legic or other semiconductor manufacturers are also available as per customer requirements
- Other sizes, materials or colors can be made available on request
- Ask for our special HIGH Temperature Tags that work at 150/180/200 deg C continuous operation