



NXP® UCODE® 9 UHF RFID Textile Laundry Tag



SKU:	RS-U9-LTW-5815
Chip Type:	NXP® UCODE® 9
Frequency:	UHF 860-960 MHz
EPC Memory:	96 bits
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2.1
Washing Cycles:	200 washing cycles or 2 years
Passed Tests:	MRI, 100% Radio frequency compliance Testing
Industry:	Healthcare, Hospitality
Applications:	Laundry



The NXP® UCODE® 9 UHF RFID Textile Laundry Tag operates at UHF 860-960 MHz and supports EPCglobal Gen2v2.1 and ISO/IEC 18000-63 protocols, offering reliable and efficient data transmission. With a 96-bit EPC memory and durable textile material, it withstands up to 200 washing cycles or 2 years of use, ensuring long-lasting performance in demanding environments.

Measuring 58×15×1.5 mm and weighing approximately 0.5 g, the lightweight white tag is easy to sew onto fabrics. It has passed rigorous MRI compatibility and 100% radio frequency compliance tests, making it suitable for various industries. This RFID tag provides a smart and durable solution for tracking and managing textile assets.

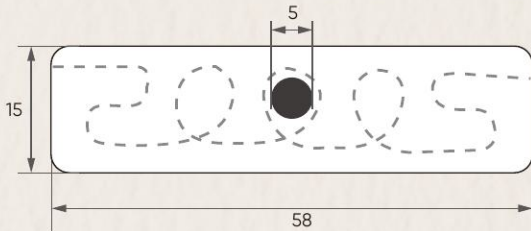
Physical Information	Material	Textile
	Size	58×15×1.5 mm
	Weight	About 0.5 g
	Surface Color	White
	Passed Tests	MRI, 100% Radio frequency compliance Testing
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Sew

Technical Information	Operating Frequency	860~960 MHz
	Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2.1
	Chip Type	NXP® UCODE® 9
	EPC Memory	96 bits
	Read Range	Fixed Reader: Over 8 meters(ERP=2W) Handheld Reader: Over 5 meters(using 30dBi power handheld)
	Security Features	96 bits Tag Identifier(TID) factory-locked 32 bits kill password to permanently disable the tag

Washing Information	Maximum Temperature	194°F(90°C)/15 minutes, 200 times
	Pre-Drying in Tumbler	356°F(180°C)/30 minutes, 200 times
	Ironing	356°F(180°C)/10 seconds, 200 times
	Sterilization Process	275°F(135°C)/20 minutes, 200 times
	Water Extractor Press	60 bars
	Chemical Resistance	All standard chemicals used in industrial washing processes
	Washing Cycles	200 washing cycles or 2 years(whichever comes first)

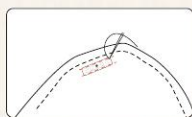
Packaging Information	Packing Format	Packed in carton
	Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 5.38 Kg/carton
	Carton Dimension	430×210×270 mm

Size and Specification Drawing
(Unit: mm)



Mounting Method

Method1:



Sewn into the hem



Sewed onto the woven label

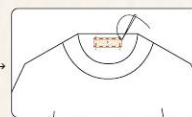


Stitching

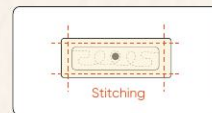
Method2:



Put it inside the cloth bag



Sewed it



Stitching

Do not sew onto the metal wire or chip module during sewing.