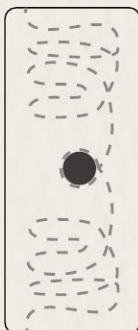




NXP® UCODE® 9 UHF RFID Textile Laundry Tag



SKU:	RS-U9-LTW-3515
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, GB 18401, 100% Radio frequency compliance Testing
Industry:	Healthcare, Hospitality
Applications:	Laundry



The NXP® UCODE® 9 UHF RFID Textile Laundry Tag is a compact, high-performance UHF tag designed for industrial laundry, linen tracking, and textile management. Designed to operate at 860-960 MHz the tag supports EPCglobal Gen2v2.1 and ISO/IEC 18000-63 protocols. It features 96-bit EPC memory for fast, reliable data transmission. The tag is built to withstand up to 200 washing cycles or 2 years of use, making it ideal for long-term textile applications.

Constructed with durable textile material and designed for easy sew-on integration, the tag measures just 35×15×1.76 mm and weighs approximately 0.5 g. It has passed rigorous tests, including MRI compatibility, GB 18401 safety standards, and 100% radio frequency compliance—ensuring both safety and performance in demanding environments.

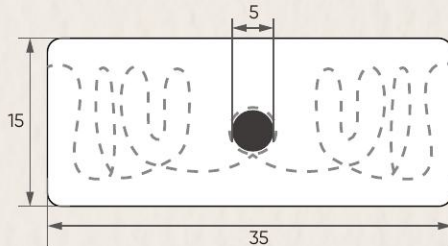
Physical Information	Material	Textile
	Size	35×15×1.76 mm
	Weight	About 0.5 g
	Surface Color	White
	Passed Tests	MRI, GB 18401, 100% Radio frequency compliance Testing
	Storage Environment	+18°C~+28°C, 40%~60% RH
	Mounting Method	Sew

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 6 meters(ERP=2W) Handheld Reader: Over 3.5 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)

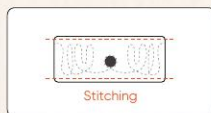
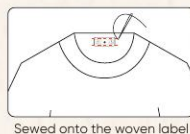
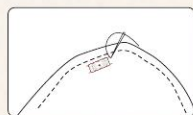
Packaging Information	Packing Format	Packed in carton
	Packing Quantity	500 pcs/bag, 20 bags/carton G.W.: 4.38 Kg/carton
	Carton Dimension	430×210×270 mm

Size and Specification Drawing
(Unit: mm)

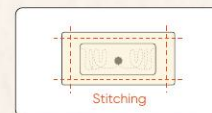
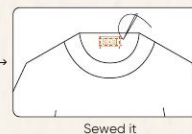


Mounting Method

Method1:



Method2:



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