



Data Sheet

PosiTag

Hem Tag

Ruggedized RFID tags with lasting performance

The **PosiTag Hem Tag** delivers next-level performance for commercial laundries looking to improve accuracy, traceability, and efficiency across their garment and linen tracking processes. Built specifically for the demands of industrial laundering, this ultra-durable UHF RFID tag withstands extreme washing, drying, ironing, and autoclave conditions—ensuring long-term performance without compromising quality.

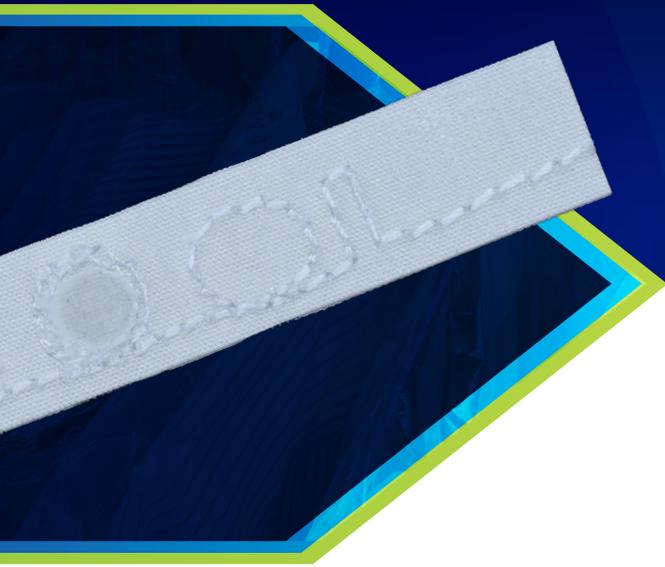


TOTAL CONTROL, TOTAL RELIABILITY

The PosiTag Hem Tag is designed with complete control over quality and performance. Its robust construction resists the harshest industrial wash processes, including tunnel washers, high-temperature drying, pressing, and sterilization. The tag delivers consistent read performance, no matter the garment

type or laundry environment, and the flexible, low-profile design maintains integrity and accuracy over time. For commercial laundries, that means fewer replacements, lower error rates, and faster, more accurate sorting—all contributing to higher throughput and reduced labor costs.

The PosiTag Hem Tag attaches easily by sewing, heat-sealing, or hem-insertion, delivering lasting performance with no downtime.



**Read range based on using laboratory equipment to simulate maximum read range. Your test result may vary. Positek RFID reserves the right to modify, at any time without notice, these statements, our services, products, and their warranty and performance specifications.*

Specifications

Thickness	< 0.5mm, except on chip area which is < 1.8mm
Dimensions	70 x 10 mm +/- 2 mm (2.75 x 0.39 in)
Temperature	Storage: -40°C / +120°C
Operating Temperature	<i>Patching (max): 220°C (428°F), 20 seconds, 1 cycle</i> <i>Washing: 90°C (194°F), 15 minutes, 200 cycles</i> <i>Drying: 180°C (356°F), 3 minutes, 200 cycles</i> <i>Tunnel Finisher: 170°C (338°F), 10 minutes</i> <i>Autoclave: 3.2bar, RH 85%, 5min @ 134°C (273°F), 100 cycles</i>
Chemical Resistance	Resistant to all common chemicals in the washing process
Lifecycle	200 wash cycles or 4 years from shipping date (whichever comes first)
Frequency	860-960 MHz, Compatible in EU, US, ASIA
Read Range	Up to: 9 M, Depending on reading station*
Multiread	Up to: 1500, Depending on reading booth
EPC Memory	96 bits Pre-encoded
Data Retention	50 years, Tamb < 55°C*
Write Endurance	100,000 cycles, Tamb < 55°C
ESD Immunity	+/-2 kVolts, (H.B.M)
Other Features	Autotune function, FastID, TagFocus, Monza Auto serialization, Password Lock + Destructions / Access-32bit

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