



Data Sheet

PosiTag Heat Seal Mini UHF RFID Tag

The **PosiTag Heat Seal Mini** is a cutting-edge UHF RFID tag specifically designed for the demanding environment of industrial laundries. Its slim, woven construction makes it the ideal solution for tracking flat linens, garments, pillowcases, and other textile products with minimal impact on the fabric's feel and functionality. Long-range reading provides reliable, precise tracking of items throughout the laundry process.

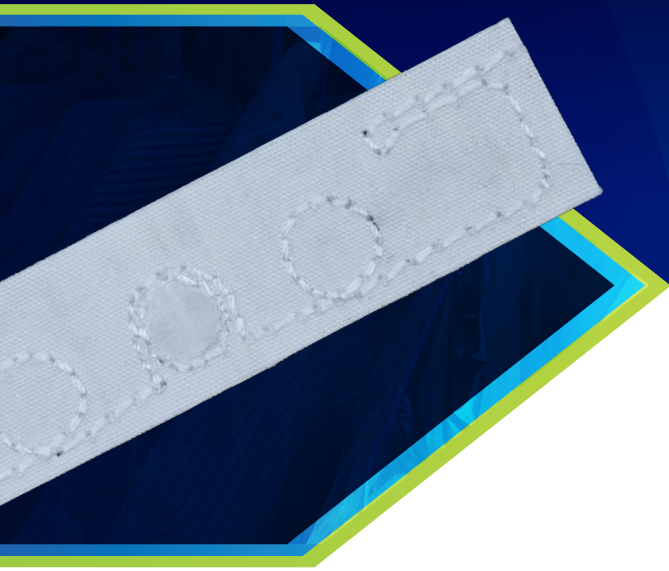


SMALL SIZE, BIG PERFORMANCE

The PosiTag Heat Seal Mini UHF RFID Tag is an ideal solution for efficient, accurate, and reliable textile tracking. Its compact size, robust construction, and high-performance RFID capabilities make it a standout choice for industrial laundries looking to optimize inventory management, reduce operational costs, and improve efficiency. Real-time

tracking of textiles reduces the potential for loss and improves inventory visibility, leading to more efficient operations and fewer errors in asset management. With long-range RFID reading capabilities, the PosiTag Heat Seal Mini UHF RFID Tag streamlines workflows, enabling faster processing and reducing downtime.

The PosiTag Heat Seal Mini UHF RFID Tag offers easy installation through sewing or heat-sealing, ensuring quick and cost-effective integration.



**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 & Weight	< 0.5mm thick, except on chip area which is < 2mm. ~0.5g weight.
Dimensions	58 mm W x 13 mm H (+/- 2 mm)
Temperature	Storage: -40°C / +120°C
Operating Temperature	Washing: 90°C (194°F), 15 minutes, 200 cycles Drying: 180°C (356°F), 3 minutes, 200 cycles Tunnel Finisher: 170°C (338°F), 10 minutes Autoclave: 3.2bar, RH 85%, 5min @ 134°C (273°F)
Thermal Patching Process	Recommended: 220°C (428°F), 20 seconds, 1 cycle
Chemical Resistance	Resistant to all common chemicals in the washing process
Lifecycle	200 wash cycles or 3 years from shipping date (whichever comes first)
Frequency Carrier	860-960 MHz, Compatible in EU, US, ASIA
Read Range	Up to: 6M, Depending on reading station
Multiread	Up to: 800, Depending on reading station
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 Self serialization, Passwords lock/Kill/Access—64 bits

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