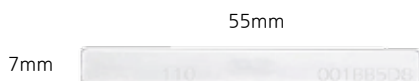




Ultra-Rugged RFID Washerable Tag for Commercial and Industrial Textile Applications

- Small, soft, flexible material ideal for textiles, linens and garments
- New smaller form factor for direct inseam attachment
- New mechanical design for improved performance for flat linens
- Suitable for high-pressure extractors up to 60 bar
- Suitable for Autoclave sterilization
- UHF technology to read hundreds of tags simultaneously
- 100% non-magnetic construction, suitable for hospital use



Specification

Model CH2007

Standard

RFID Standard ISO/IEC 18000-63 (EPC Gen2)

Regulations

RoHS Conforms to RoHS regulations
China RoHS Conforms to Administrative Measure on the Control of Pollution Caused by Electronic Information Products

MRI Safety Information MR Conditional
(Static magnetic field of 1.5-T and 3-T)

Size & Weight 55(W) x 7(d) x 1.6(H)mm, 0.8g

Tag Type Passive

EPC Number Area 128bit / unlock (The first 96bit are pre-written by Doosoun-cni) ¹

User Memory None

Reading Range

Textile	902-928 MHz	: 4W eirp · 250 cm (Typical), 2W erp · 220 cm (Typical)
	865.6-867.7 MHz	: 2W erp · 200 cm (Typical)
Rubber Mat	902-928 MHz	: 4W eirp · 200 cm (Typical)
	865.6-867.7 MHz	: 2W erp · 220 cm (Typical)

Tagging

Directly sewing into seam of linen items, sewing with patch/pouch, heat sealing

Estimated Lifetime

200 washing cycles/dry cleaning or 3 years from shipping date, whichever comes first ²

Environmental Resistance

Washing Method	: Laundry, Dry cleaning (Perchloroethylene, Hydrocarbon solvent) ³
Water Extraction Pressure	: Up to 60 bar
Chemical Resistance	: Standard Detergent, Softener, Alkali, Acetic/Peracetic Acid
Autoclave Sterilization	: 121°C, 20 minutes, 80 cycles
Heat Resistance	Drying : 85°C (Up to 60min.) or 120°C (Up to 10min.) Ironing : 200°C (Up to 10 sec. with press cloth)
Temperature	Operating : -20 to 50°C, 10 to 95%RH
/ Humidity	Storage : -40 to 55°C, 8 to 95%RH

Contact

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¹ Last 32 bits are not specified. Modifying EPC area is not covered by product warranty

² Verified with independent testing - nominal industrial laundry conditions

³ Conditions for dry cleaning: Up to 10 minutes/cycle for washing, and 30 minutes/cycle within 60 °C for drying