



## UHF Laundry Tag – 8718S (Sew in)

The 8718S UHF Laundry tag has been especially designed for applications requiring a rugged tag that can withstand a harsh industrial washing environment. The tag meets all requirements in terms of heat, pressure and chemical resistance as required for RFID Linen and garment tracking applications in the garment management and laundry industries



### Applications:

- Garment management
- Industrial Laundry Applications
- Uniform tracking and management

RF Specification	
Frequency	860 ~ 928MHz (custom EU or US frequency can be supplied)
Type	Passive UHF / Linear Polarized
Air Interface Protocol	EPC Global Class 1 Gen 2 ISO 18000-6C
IC Type	NXP UCODE 7M
Memory	EPC size 96 Bits, User 32 Bits
Writing Cycles	100,000 (Read / Write)
Data Retention	Up to 20 Years
Read Range (2W ERP)	~6m (ERP 2W) – Typical performance ~4m (Hand held UHF reader) – Typical performance
Applicable Surfaces	Linen and garments
Physical Specifications	
Tag Material	Textile (White)
Tag Dimensions	87 x 18 x 1.5mm (custom sizes available)
Weight	0.8g
Delivery Format	Single pieces packaged in anti-static bags and boxes
Application	8718s: sew in type (heat press overlables are optional)
Environmental Specifications	
Operating Temperature	Washing: 100°C for 60 Minutes, 200 cycles
Storage Temperature	25°C 50% RH
Pre-Dry in Tumble Dryer	160°C for 30 minutes
Ironing	180°C for 10 minutes, 200 cycles
Sterilization Process	135°C for 20 minutes
Mechanical Resistance	60 Bar Pressure
Chemical Resistance	Standard industrial laundry chemicals used in the washing process