

LDR-5815F Soft UHF Washable Tag



Advantages:

- ✓ Achieve and exceed the industrial washing life of more than 200 times;
- ✓ 100% memory write test;
- ✓ The material and design have passed the reliability test;
- ✓ The product has passed the 100% RF consistency test of Tagformace equipment in Finland and Europe;

Main features:

- ✓ The soft washing label can be customized according to the requirements of customers;
- ✓ The soft washing label can be customized to meet the requirements of MRI test;
- ✓ Soft, no damage to textiles, good handle;
- ✓ The size of chip module is one of the smallest in the international market;
- ✓ It can withstand 60bars pressure;
- ✓ It is one of the few pre drying processes in the global market that can withstand 180 degrees, 30 minutes and 200 times;

Product application:

- ✓ Industrial washing management;
- ✓ Grass leasing management;
- ✓ Standard clothing management and washing management;
- ✓ Work clothes leasing and washing management;
- ✓ Hospital linen and washing management;
- ✓ Military clothing and bedding management;
- ✓ Railway linen management and washing management;
- ✓ Police clothing management;
- ✓ Management personnel;
- ✓ Access control management;
- ✓ Fire clothing and soft material management;
- ✓ Other applications requiring soft and pressure resistant products;

RFID Parameter	
Model No.	LDR-5815F
Type	Passive UHF RFID Washable Tag
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz
Chip	NXP Ucode 9
Memory	EPC 96bit
	TID 48bits
	0 bits
Read&Write	Supported
Read Range	Fixed reader: 5.5 (ERP = 2W), 2m (read by handheld reader)
Data retention	10years
Programming Cycles	100,000 cycles
Physical Parameter	
Size	58x15mm
Material	Textiles
Washing cycles	200 cycles
Heat resistance	-40~ 85°C (-40~185°F)
Installation	Sewing or insert, Direct thermal glue
Work Temperature	- 25°C ~ + 110 °C
Storage temperature	- 40°C ~ + 85 °C
Washing	100□ , 60mins, 120 bars
Converter pre drying	180□ , 30mins, 200times
Ironing	180□ , 10seconds, 200times
High Temperature Sterilization	134□ , 20mins, RH 85%
Water extractor process	60 bars
Chemical resistance	Endure all chemicals common to the washing endurance

Remark:

During the sewing installation, the suture shall not damage the metal thread and chip module on the label;
 *When the temperature reaches 215 ~ 218 degrees (15 ~ 20 seconds), the blanching effect is excellent. When the temperature is lower than 210 degrees, the blanching effect is not good;
 *Different read-write facilities have different read-write performance.