

UHF RFID Fabric Tag

LDR-5815W



Quick Details

LDR-5815W UHF RFID Fabric Tag is compliant with EPC C1G2 (ISO18000-6C) standard and it fits for all 860-960mhz UHF RFID readers and antennas. With excellent reading performance and the highest thermal and mechanical resistance, it can be inserted in to the narrow hams of garments and other kinds of textile products, which is suitable for industrial application and private wear.

Description

RFID Parameter	
Model No.	LDR-5815W
Type	Passive UHF RFID Washable Tag
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960Mhz, US 902-928mhz, EU 865-868Mhz
Chip	Impinj Monza MR6-P
Memory	EPC 96bits
	TID 48bits
	User: 32bits
Read&Write	Supported
Read Range	Fixed: 5.5 m Handheld: 2m
Data retention	10 years
Programming Cycles	100,000 cycles
Physical Parameter	
Size	58×15mm / 2.28×0.59inch
Material	50% cotton, 50% polyester
Washing cycles	200 cycles
Heat resistance	-40~ 85 °C (-40~185°F)
Installation	Sewing or insert
Laundry Cycle Parameter	

<i>Maximum temperature</i>	220°C (428°F), 30s, 2.5 bars
<i>Washing</i>	100°C (212°F), 60mins, 120 bars
<i>Pre-drying in tumbler</i>	160°C (320°F), 30mins
<i>Tunnel ironing</i>	185°C (365°F), 30mins
<i>Sterilization process</i>	134°C (273.2°F), 20mins, RH 85%
<i>Water extractor process</i>	60 bars
<i>Chemical resistance</i>	Endure all chemicals common to the washing endurance

Applications

- Automate operational process during laundry
- Improve the accuracy of information between
- The laundry and its customers
- Hospital uniforms & Hotel sheets tracking

