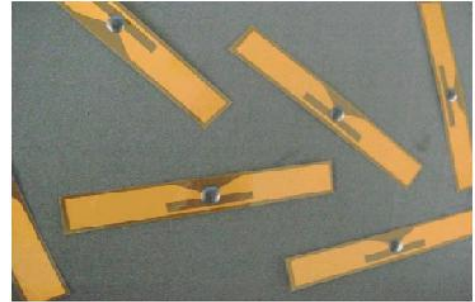


This UHF Gen 2 RFID laundry tag is developed specifically for the tough conditions required in laundry applications.

This UHF Gen 2 RFID laundry tag is developed specifically for the tough conditions required in laundry applications. It features a compact size and light weight and provides highly stable and broad sensitivity. It also provides a long read distance of up to 5 meters. This RFID tag meets all endurance requirements in terms of heat, pressure and chemical resistance required for the contactless tracking of garments in the textile and laundry industries.



Key Features

- ✓ Compact size and light weight
- ✓ Stable and broad sensitivity
- ✓ Performs well even in harsh environments
- ✓ Reads up to 5 meters on dry fabric
- ✓ Waterproof and high temperature resistant
- ✓ RoHS compliance

Technical Specifications

Chip	Alien Higgs3		
Chip Memory	EPC 96 bits (Extensible to 512 bits)/User 512 bits/TID 64 bits/CRC 32 bits		
Chip attachment	Aluminum wire bonding with epoxy glob top on both sides		
Antenna	Gold plated etched copper		
Protocol	EPC Class1 Gen2		
Read Distance		Fixed reader	Handheld reader
	In dry fabric	5 m	3 m
	In wet fabric	1 m	0.5 m
Size W*H*D mm	68*9*0.4		
Material	Double layer laminated polyimide film		
Common Usage	Laundry, Plastic pallets, boxes and trays		
Operating Temperature	-40 °C to 85 °C		
Storage Temperature	-55 °C to 200 °C		
IP Classification	IP68 (tested for 24hrs in 1meter depth)		
Humidity	85 °C/85%RH (tested for 168h)		
Boiling water	Tested in boiling water for 24h		
Pressure	40 BAR		
Vibration	IEC60068-2-6/64		
Chemicals	Salt water (salinity 10%, 24h)/NaOH (10%, pH13, 24h)/Sulfuric acid (10%, pH2, 24h)/Motor oil (24h)/Methanol (24h)/Ethanol (24h)		
Warranty	100 cycles		
RoHS	100% compliant		

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