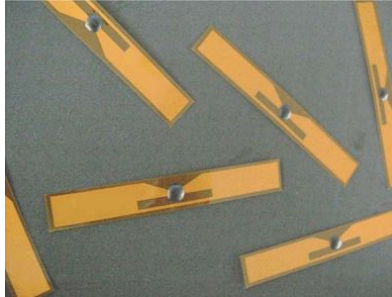


This UHF RFID laundry tag features compact size, light weight and long read range and is compliant with EPC Class 1 Gen 2 protocol.

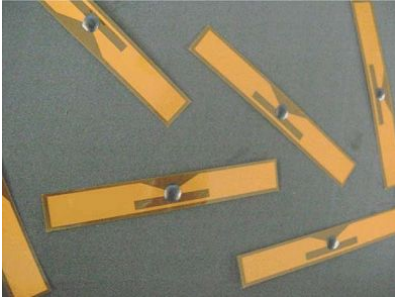


Key Features

- ✓ Passive RFID tag
- ✓ UHF EPC Class 1 Gen 2
- ✓ Alien Higgs 3
- ✓ Read up to 5.0 meter on dry fabric

Technical Specifications

Silicon chip	Alien Higgs3		
Chip memory	EPC 96 bits (extensible to 512 bits) User 512 bits TID 64 bits CRC 32 bits		
Material	Double layer laminated polyimide film (also known as KAPTON film)		
Antenna	Gold plated etched copper		
Chip attachment	Aluminum wire bonding with epoxy glob top on both sides		
RoHS	100% compliant		
Warranty	100 cycles		
Applied fields	Laundry, Plastic pallets, boxes and trays		
Applied countries	US, France, UK, Italy, Spain, Japan, Australia, Korea, etc.		
# tags applied	400,000		
Read range	Fixed reader	Handheld reader	
	In dry fabric	5.0	3.0
	In wet fabric	1.0	0.5
Temperature	Operating: -40 °C to 85 °C Storage: -55 °C to 200 °C Peak: 200 °C 6 hrs		
Dimensions (W × H × T)	68 mm × 9 mm × 0.4 mm		
IP Classification	IP68 (tested for 24 h in 1 meter depth)		
Humidity	85 °C/85 % RH (tested for 168 h)		
Boiling water	Tested in boiling water for 24 h		
Pressure	40 BAR		
Vibration	IEC60068-2-6/64		
Chemicals	Salt water (salinity 10%, 24 h) NaOH (10%, pH13, 24 h) Sulfuric acid (10%, pH2, 24 h) Motor oil (24 h) Methanol (24 h) Ethanol (24 h)		



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