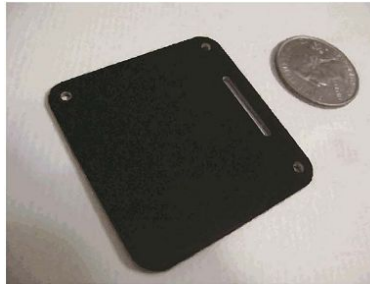


This UHF Gen 2 RFID spiral tag can be well deployed in many applications such as IT assets, bales of grains, wastes and plastic container and pallet.



Key Features

- ✓ Passive RFID tag
- ✓ UHF EPC Class1 Gen2
- ✓ Alien Higgs3
- ✓ Read up to 4.5 meter in 45° angle

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	Glass fiber – PCB FR4		
Antenna	Gold plated etched copper		
Chip attachment	Aluminum wire bonding		
RoHS	100% compliant		
Warranty	18 months		
Applied fields	Mostly hanging in air by cable tie IT asset Bale – grains, wastes, rice Plastic container and pallet		
Applied countries	US, France, Italy, Korea, etc.		
# tags applied	300,000		
Read range	(up to) Meters	Fixed reader	Handheld reader
	On non-metal	2.0	1.0
	In air (45° angle)	4.5	2.5
Temperature	Operating -40 °C to 85 °C Storage -55° C to180 °C Peak 200 °C 6hrs		
Dimensions W × H × T	45 mm × 44 mm × 2.1 mm		
IP Classification	IP68 (tested for 24 h in 1 m depth)		
Humidity	85 °C/85 %RH (tested for 168 h)		
Boiling water	Tested in boiling water for 24 h		
Pressure	Tested with 50 trials x 1 kg iron ball free falling on tag		
Vibration	IEC60068-2-6/64		
Chemicals	Salt water (salinity 10%, 2 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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