

***The UHF Gen 2 RFID Razor tag is specially designed for a wide range of applications such as electronics and asset tracking in various industries.***

The UHF RFID Razor tag is specially designed for a wide range of applications such as electronics and other high value asset tracking in various industries. It can be used in both metal and non-metal applications with highly stable performance. Compliant with EPC class 1 Gen 2 protocol, this tag reads a long distance of up to 6 m on metal and up to 8 m on non-metal. It performs well in harsh environments and meets stringent endurance requirements in terms of heat, pressure and chemical resistance.



**Key Features**

- ✓ Long read distance
- ✓ Designed for both metal and non-metal applications
- ✓ Provides a long read distance of up to 6 m on metal and up to 8 m on non-metal
- ✓ 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	Lead-free soldering		
Antenna	Gold plated etched copper		
Protocol	EPC Class1 Gen2		
Read Distance		Fixed reader	Handheld reader
	On metal	6 m	3.5 m
	On non-metal	8 m	4 m
Size W*H*D mm	138*6*4		
Material	Glass fiber - PCB FR4		
Operating Temperature	-40 °C to 85 °C		
Storage Temperature	-55 °C to 180 °C		
IP Classification	IP68 (tested for 24 hrs in 1 meter 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%, 24 h)/NaOH (10%, pH13, 24 hrs)/Sulfuric acid (10%, pH2, 24 h)/Motor oil (24 h)/Methanol (24 h)/Ethanol (24 h)		
Warranty	18 months		
RoHS	100 % compliant		

### GAO Group

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