

Special Features:MINI TAG

Communication Interface:RFID

Frequency:902-928 MHz (US); 866-868 MHz (EU)

Size:10x8.2x4mm

IC type:Alien H3

Read range:400 tags per second for 96-EPC bit number

Protocol:EPC C1G2(ISO 18000-6C)

IP rating:IP68

Operating Temperature:-40 to +85C

Attachment:Adhesive

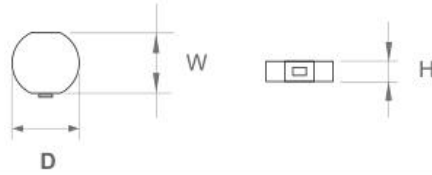
Application:IT assets/Tool tracking/Other metal product

Customized support:Customized

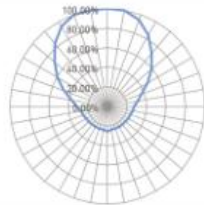
Functional Specifications	
Protocol	EPC C1G2 (ISO 18000-6C)
Operating Frequency	902~928MHz(US);866~868 MHz (EU)
IC type	Alien H3
Memory	512-bit user memory; 64-bit TID; 96-bit EPC
Read rate	400 tags per second for 96-EPC bit number
Write Cycles	100,000 at 25°C
Data retention	50 years

Environmental Specifications	
Operating Temperature	-40~+85°C
Application Temperature	-40~+150°C
IP rate	IP68
Attachment	Adhesive
Warranty	1 year

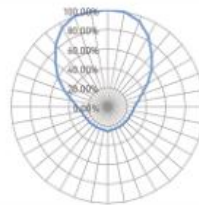
Physical Specification and Read Range	
Product model	Axinite
Size L×W×H (mm)	10x8.2×4
Weight	1.8g
Avg read range on metal,4W EIRP	4.5m
Avg read range in metal,4W EIRP	2.2m
Encasing	Durable Paint



Radiation Pattern



On metal



In metal

No	Item	Test Condition	Remark
2.1	Humidity Test	The device is subjected to 90%~95% relative humidity $60^{\circ}\text{C}\pm 3^{\circ}\text{C}$ for 96h~98h, then dry out at $25^{\circ}\text{C}\pm 5^{\circ}\text{C}$ and less than 65% relative humidity for 2h~4h. After dry out the device shall satisfy the specification in table 1.	It shall fulfill the specifications in Table 1.
2.2	High Temperature Exposure	The device shall satisfy the specification in table 1 after leaving at 105°C for 96h~98h, provided it would be measured after 2h~4h leaving in $25^{\circ}\text{C}\pm 5^{\circ}\text{C}$ and less than 65% relative humidity.	It shall fulfill the specifications in Table 1.
2.3	Low Temperature	The device shall satisfy the specification in table 1 after leaving at -40°C for 96h~98h, provided it would be measured after 2h~4h leaving in $25^{\circ}\text{C}\pm 5^{\circ}\text{C}$ and less than 65% relative humidity.	It shall fulfill the specifications in Table 1.
2.4	Temperature Cycle	Subject the device to -40°C for 30 min. followed by a high temperature of 105°C for 30 min cycling shall be repeated 5 times. At the room temperature for 1h prior to the measurement.	It shall fulfill the specifications in Table 1.
2.5	Vibration	Subject the device to vibration for 2h each in x,y and z axis with the amplitude of 1.5mm, the frequency shall be varied uniformly between the limits of 10Hz~55Hz.	It shall fulfill the specifications in Table 1.