



## High Temperature Resistant Round RFID Tag With Metal Top

### Functional Specifications:

<b>RFID Protocol:</b>	EPC Class1 Gen2, ISO18000-6C
<b>Frequency:</b>	(US) 902-928MHz, (EU) 865-868MHz
<b>IC type:</b>	Alien Higgs-4
<b>Memory:</b>	EPC 128bits, USER 128bits, TID64bits
<b>Write Cycles:</b>	100,000times
<b>Functionality:</b>	Read/write
<b>Data Retention:</b>	Up to 50 Years
<b>Applicable Surface:</b>	Metal Surfaces
<b>Read Range :</b> <small>(Fix Reader:ThingMagic FU-M6-E, 36dBm/4W)</small>	250cm - (US) 902-928MHz, on metal; 270cm - (EU) 865-868MHz, on metal;
<b>Read Range :</b> <small>(Handheld Reader: RFG T9908, R2000, 33dBm/2W)</small>	120cm - (US) 902-928MHz, on metal; 140cm - (EU) 865-868MHz, on metal;
<b>Warranty:</b>	1 Year

### Physical Specification:

<b>Size:</b>	D20mm, (Hole: D2mmx2)
<b>Thickness:</b>	2.1mm without IC bump, 2.8mm with IC bump
<b>Material:</b>	High Temperature Material
<b>Colour:</b>	Black
<b>Mounting Methods:</b>	Adhesive, Screw
<b>Weight:</b>	1.0g

### Environmental Specification:

<b>IP Rating:</b>	IP68
<b>Storage Temperature:</b>	-55°C to +200°C (280°C for 50 minutes, 250°C for 150minutes)
<b>Operation Temperature:</b>	-40°C to +150°C (working 10hours in 180°C)
<b>Certifications:</b>	Reach Approved, RoHS Approved, CE Approved

Order information:

<b>RFG T2019U1</b>	(US) 902-928MHz,
<b>RFG T2019E1</b>	(EU) 865-868MHz