

## 260°C High Temperature RFID tags

Devil-6000



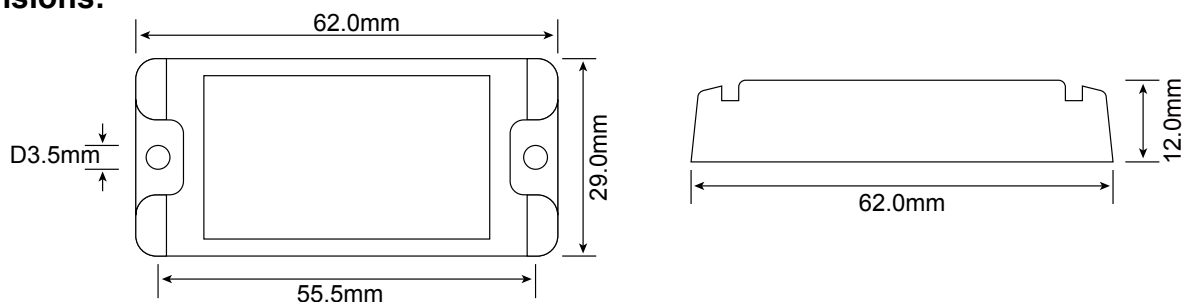
### Functional Specifications:

RFID Protocol:	EPC Class1 Gen2, ISO18000-6C
Frequency:	US(902-928MHZ), EU(865-868MHZ)
IC type:	Alien Higgs-3
Memory:	EPC 96bits (Up to 480bits) , USER 512bits, TID64bits
Write Cycles:	100,000 times
Functionality:	Read/write
Data Retention:	50 Years
Applicable Surface:	Metal Surfaces
Read Range : (Fix Reader)	13m, US(902-928MHZ) 12m, EU(865-868MHZ)
Read Range : (Handheld Reader)	7.5m, US(902-928MHZ) 7.0m, EU(865-868MHZ)
Warranty:	1 Year

### Physical Specification:

Size:	62x29mm, Hole: D3.5mmx2
Thickness:	12mm
Material:	PEEK
Colour:	Black
Mounting Methods:	Screw - Socket head cap screw(M3)
Weight:	15g

### Dimensions:



**Environmental Specification:**

IP Rating: IP67

Storage Temperature: -60°C to +260°C,+300°C100 hours

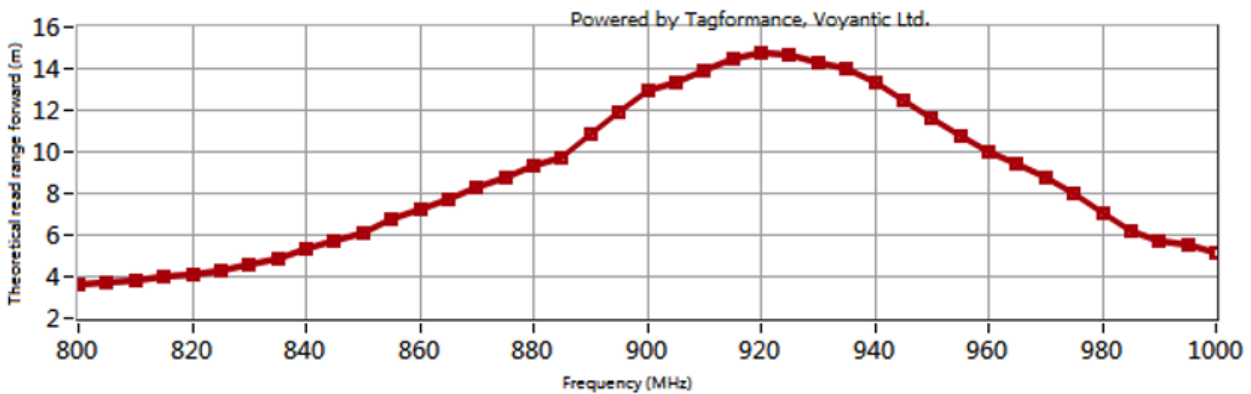
Operation Temperature: -40°C to +150°C

Reliability testing terms and results:

- a. Withstand 300°C for 100 hours continuously without damage.
- b. Withstand 280°C for 1000 hours continuously without damage.
- c. Withstand 260°C for 2000 hours continuously without damage.
- d. Withstand -20°C for 8 hours, then 260°C for 16 hours per day, 80 days continuously without damage.
- e. Withstand from 150°C to -40°C, 7.5 cycles per day, 80 days continuously with total 600 cycles without damage.

Certifications: Reach Approved, RoHS Approved, CE Approved, ATEX Approved.

Devil-6000 U1, Metal Surface(902-928MHZ):



Devil-6000 E1, Metal Surface(865-868MHZ):

