

## 180°C High Temperature RFID tags



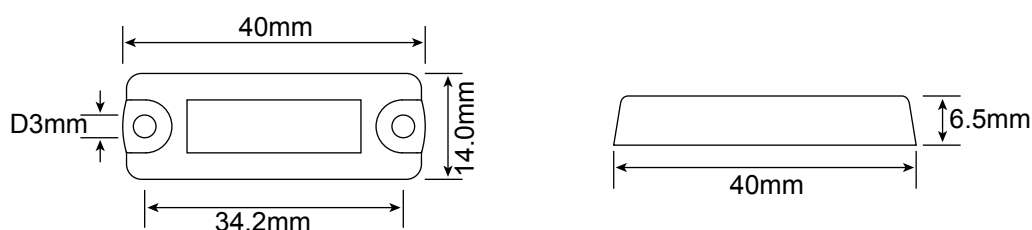
### Functional Specifications:

RFID Protocol:	EPC Class1 Gen2, ISO18000-6C
Frequency:	US(902-928MHZ), EU(865-868MHZ)
IC type:	Alien Higgs-3, (Monza M4QT, Monza R6, UCODE 7XM+ or other chips are customizable)
Memory:	EPC 96bits (Up to 480bits) , USER 512bits, TID64bits
Write Cycles:	100,000 times
Functionality:	Read/write
Data Retention:	Up to 50 Years
Applicable Surface:	Metal Surfaces
Read Range : (Fix Reader)	4.2m, US ( 902-928MHZ ) 4.0m, EU ( 865-868MHZ )
Read Range : (Handheld Reader)	2.9m, US ( 902-928MHZ ) 2.7m, EU ( 865-868MHZ )
Warranty:	1 Year

### Physical Specification:

Size:	40x14mm, Hole: D3.0mmx2
Thickness:	6.5mm
Material:	Antenna: ceramic. Shell: PEEK(Other materials can be customized)
Colour:	Black
Mounting Methods:	Screw - Socket head cap screw(M2.5), Rivet, Adhesive
Weight:	8.5g

### Dimensions:



**Environmental Specification:**

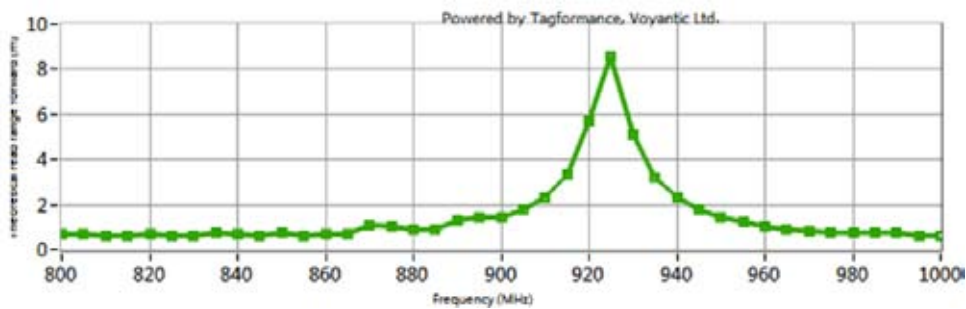
IP Rating: IP68

Storage Temperature: -40°C to +180°C

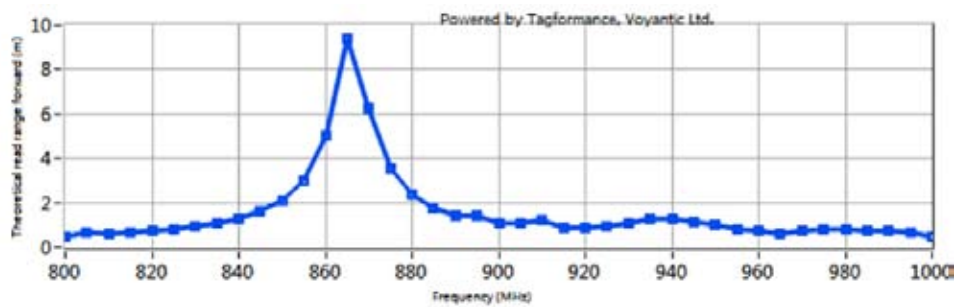
Operation Temperature: -25°C to +150°C

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

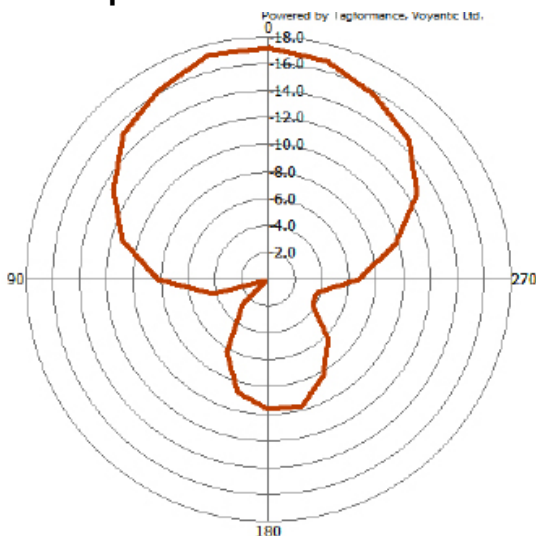
OPP40140U1, Metal Surface(902-928MHZ):



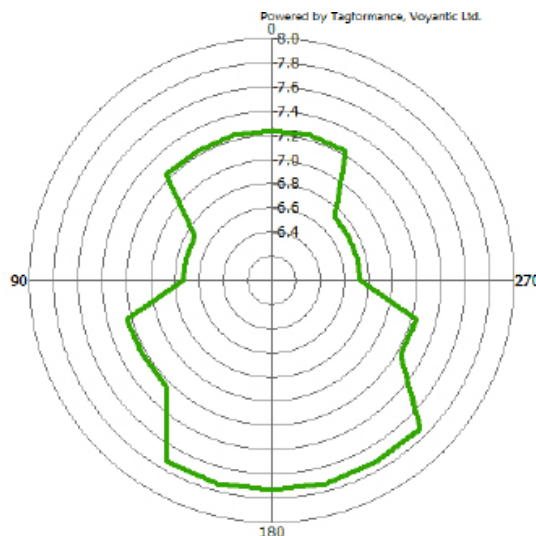
OPP40140E1, Metal Surface(865-868MHZ):



**Radiation pattern:**



On Metal



Off Metal