



## Anti Metal RFID Tag Embedded in Concrete

### 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-3, (Monza M4QT, Monza R6, UCODE 7XM+ or other chips are customizable)
<b>Memory:</b>	EPC 96bits (Up to 480bits) , USER 512bits, TID64bits
<b>Write Cycles:</b>	100,000 times
<b>Functionality:</b>	Read/write
<b>Data Retention:</b>	50 Years
<b>Applicable Surface:</b>	Metal Surfaces
<b>Read range on metal: (Fix Reader)</b>	6.5m, US(902-928MHZ) 6.6m, EU(865-868MHZ)
<b>Read range on metal: (Handheld Reader)</b>	4.4m, US(902-928MHZ) 4.6m, EU(865-868MHZ)
<b>Reading range when embedded 5cm depth in concrete: (Handheld Reader)</b>	2.2m, US(902-928MHZ) 2.1m, EU(865-868MHZ)
<b>Reading range when embedded 10cm depth in concrete: (Handheld Reader)</b>	2.0m, US(902-928MHZ) 1.9m, EU(865-868MHZ)
<b>Warranty:</b>	1 Year

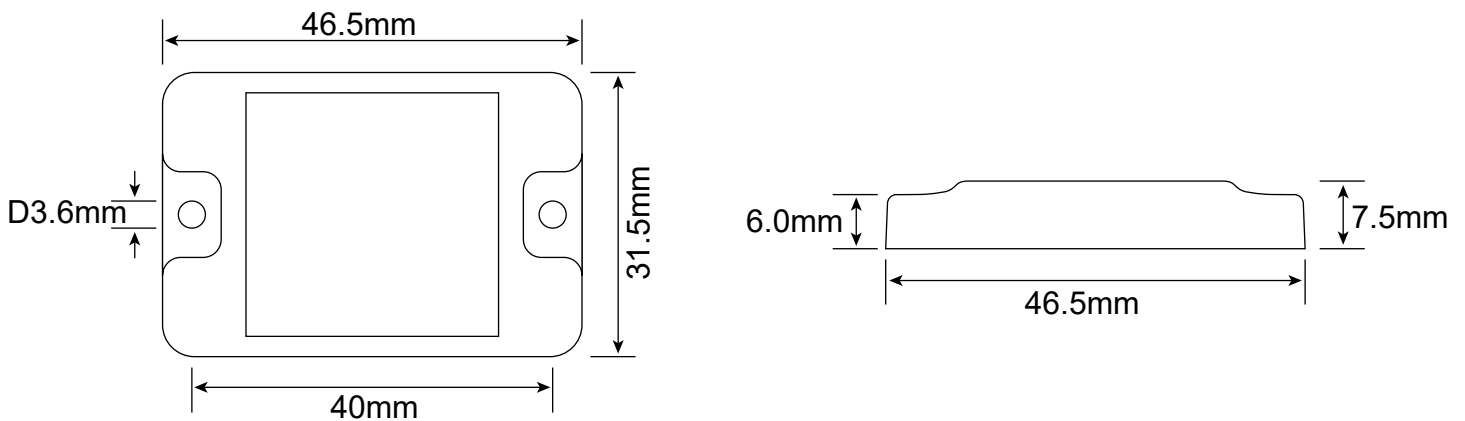
### Environmental Specification:

<b>IP Rating:</b>	IP68
<b>Storage Temperature:</b>	-40°C to +150°C
<b>Operation Temperature:</b>	-25°C to +100°C
<b>Certifications:</b>	Reach Approved, RoHS Approved, CE Approved, ATEX Approved.

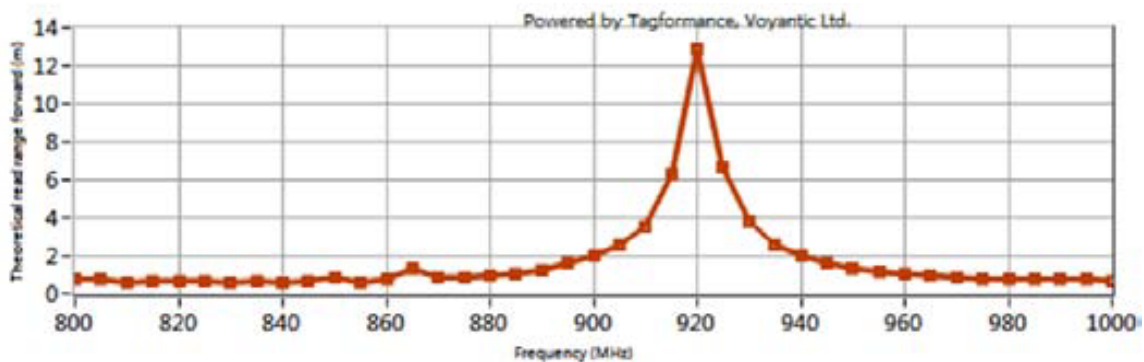
Physical Specification:

<b>Size:</b>	46.5x31.5mm, Hole:D3.6mmx2
<b>Thickness:</b>	7.5mm
<b>Material:</b>	PPS
<b>Colour:</b>	Black
<b>Mounting Methods:</b>	Embedded in concrete
<b>Weight:</b>	22g

Dimensions:



RFG T4601U1, Metal Surface(902-928MHZ):



RFG T4601E1, Metal Surface(865-868MHZ):

