

UHF Metal Tag Atom Series:



**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:	100,000times
Functionality:	Read/write
Data Retention:	Up to 50 Years
Applicable Surface:	Metal Surfaces
Read Range :	85cm - (US) 902-928MHz, on metal <small>(Fix Reader:ThingMagic FU-M6-E, 30dBm)</small> 75cm - (EU) 865-868MHz, on metal
Read Range :	45cm - (US) 902-928MHz, on metal <small>(Handheld Reader: OP9908, R2000, 30dBm)</small> 45cm - (EU) 865-868MHz, on metal
Warranty:	1 Year

**Physical Specification:**

Size:	Diameter6mm, (Hole: D2mmx1)
Thickness:	4.0mm with IC bump
Material:	FR4 (PCB)
Colour:	Black (Red, Blue, Green, White)
Mounting Methods:	
Weight:	0.5g

**OPPD6**

**OPPD6U1:**

**OPPD6E1:**

**Environmental Specification:**

IP Rating:	IP68
Storage Temperature:	-40°C to +150°C
Operation Temperature:	-40°C to +100°C
Certifications:	Reach Approved, RoHS Approved, CE Approved

**Order information:**

OPPD6U1	(US) 902-928MHz,
OPPD6E1	(EU) 865-868MHz