

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 :	145cm - (US) 902-928MHz, on metal
(Fix Reader:ThingMagic FU-M6-E, 30dBm)	145cm - (EU) 865-868MHz, on metal
Read Range :	100cm - (US) 902-928MHz, on metal
(Handheld Reader: OP9908, R2000, 30dBm)	90cm - (EU) 865-868MHz, on metal
Warranty:	1 Year

Physical Specification:

Size:	18x8mm, (Hole: D2mmx1)
Thickness:	3.0mm without IC bump, 3.8mm with IC bump
Material:	FR4 (PCB)
Colour:	Black (Red, Blue, Green, White)
Mounting Methods:	Adhesive, Screw
Weight:	1.2g

OPP1808U1:

OPP1808E1:

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:

OPP1808U1	(US) 902-928MHz,
OPP1808E1	(EU) 865-868MHz