

UHF Metal Tag Atom Series:



Functional Specifications:

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|-----------------------------------------|------------------------------------------------------|
| 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 : | 95cm - (US) 902-928MHz, on metal |
| (Fix Reader:ThingMagic FU-M6-E, 30dBm) | 90cm - (EU) 865-868MHz, on metal |
| Read Range : | 50cm - (US) 902-928MHz, on metal |
| (Handheld Reader: OP9908, R2000, 30dBm) | 45cm - (EU) 865-868MHz, on metal |
| Warranty: | 1 Year |

Physical Specification:

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|-------------------|---------------------------------|
| Size: | 8x3mm |
| Thickness: | 3.0mm with IC bump |
| Material: | FR4 (PCB) |
| Colour: | Black (Red, Blue, Green, White) |
| Mounting Methods: | |
| Weight: | 0.5g |

OPP0803U2:

OPP0803E4:

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:

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| OPP0803U2 | (US) 902-928MHz, |
| OPP0803E4 | (EU) 865-868MHz |