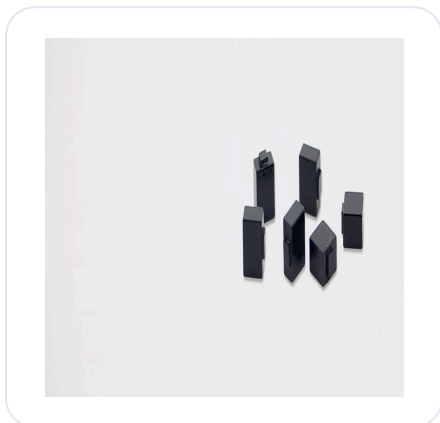




Ceramic UHF On-Metal RFID Tag ID-C6012 (4 × 4 × 3 mm)

Model ID-C6012 · Brand: Identium



A 4 × 4 × 3 mm ceramic UHF RFID tag that is epoxy-bonded or embedded into small metal items such as surgical instruments, hand tools, bearings and auto parts, and survives repeated autoclave cycles.

KEY FEATURES

- **4 × 4 × 3 mm ceramic body weighing 0.3 g, for very small metal items**
- **Up to 1.7 m on metal with a fixed reader (ETSI band)**
- Survival range -40 °C to +250 °C, including repeated autoclave cycles
- IP68; tolerates chemical washes; biocompatible material
- Alien Higgs 3 chip: 96-bit EPC plus 512-bit user memory
- Epoxy-bonded or embedded directly on metal

APPLICATIONS

Surgical instruments

Small hand tools

Bearings

Auto spare parts

Defence equipment

Industrial assets

Healthcare consumables

SPECIFICATIONS

Model	ID-C6012
Dimensions	4 × 4 × 3 mm
Material	Ceramic
Colour	Black
Weight	0.3 g
Protocol	EPC Class 1 Gen 2 / ISO 18000-6C
Chip	Alien Higgs 3
Memory	EPC 96 bits, user 512 bits, TID 32 bits
Read range	Up to 1.7 m on metal, fixed reader (ETSI 865–868 MHz); up to 1.6 m (FCC band)
IP rating	IP68

Operating temperature	-40 °C to +85 °C
Survival temperature	-40 °C to +250 °C (autoclave)
Humidity	98% non-condensing
Data retention	More than 10 years
Write endurance	100,000 cycles
Mounting	Epoxy bonding or embedded
Customisation	Logo printing, pre-encoding, custom design
Certifications	FDA, ATEX