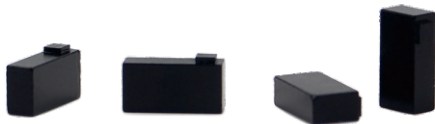




## Cubnut-C Strip

10 x 5 x 3 mm H3



The Ceramic Tag is a compact, high-performance RFID transponder designed for reliable operation in harsh industrial environments. Built on a high-dielectric ceramic substrate, the tag delivers excellent RF stability, superior performance on metal surfaces, and long-term durability under extreme conditions, such as moisture, high temperatures, chemical exposure, and mechanical stress.

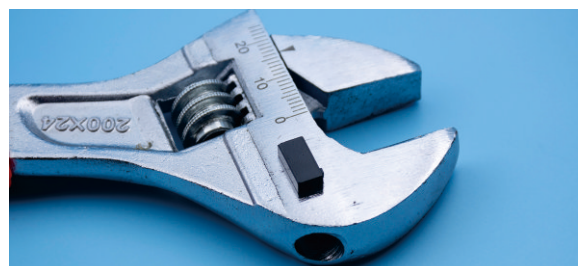
It can be easily attached to assets for a wide range of applications — including inventory management, supply chain tracking, asset tracking, and product authentication across demanding industries such as aerospace, automotive, chemical, and manufacturing.

### Highlights & Benefits

- ✓ Superior RF, thermal and mechanical stability
- ✓ Resistant to heat, moisture, chemicals, ray
- ✓ Longer lifespan even in harsh environments
- ✓ Miniaturization, long read range even small size
- ✓ Sterilizable and biocompatible

### Applications

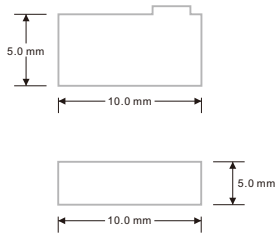
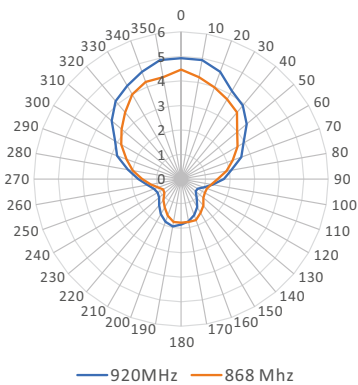
- ✓ Medical device
- ✓ Equipment & tool



Technical Features

|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| Model                  | RCC6010                                                               |
| RFID Features          |                                                                       |
| Air Interface Protocol | EPC Class 1 Gen 2 / ISO 18000-63 Type C                               |
| Frequency              | 860-960 MHz                                                           |
| Chip Type              | Alien Higgs 3                                                         |
| Memory                 | User - 512 bits; EPC - 96 bits; TID - 96 bits                         |
| Data Storage           | > 10 years                                                            |
| Re-write               | 100,000 times                                                         |
| Read Range(2W ERP)     | FCC: > 5.0 m(16.4 ft) , on metal<br>ETSI: > 4.5 m(14.8 ft) , on metal |
| Physical Features      |                                                                       |
| Dimension              | 10 x 5 x 3 mm / 0.39 x 0.20 x 0.12 in                                 |
| Material               | Ceramic                                                               |
| Weight                 | 0.86 g                                                                |
| Color                  | Black                                                                 |
| Operating Temperature  | -40°C to 85°C / -40°F to 185°F                                        |
| Survival Temperature   | -40°C to 250°C / -40°F to 482°F                                       |
| Storage Condition      | 20±5°C, 50±10% RH, Store away from sunlight                           |
| IP Rate                | IP68, test for 5 hours at 1m deep water                               |
| Other Features         |                                                                       |
| Installation           | Adhesive(clean and dry surface), Rivet, Magnet, Screw                 |
| Customization          | Printing, Encoding, Design, etc.                                      |

Radiation Pattern



PS: The performance is theoretical values in the lab and the actual effect depends on the specific applications.



Web: <https://www.richrfid.com> E-mail: [info@richrfid.com](mailto:info@richrfid.com)  
Shenzhen | Hong Kong | Singapore | Seoul | Tokyo | Paris



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