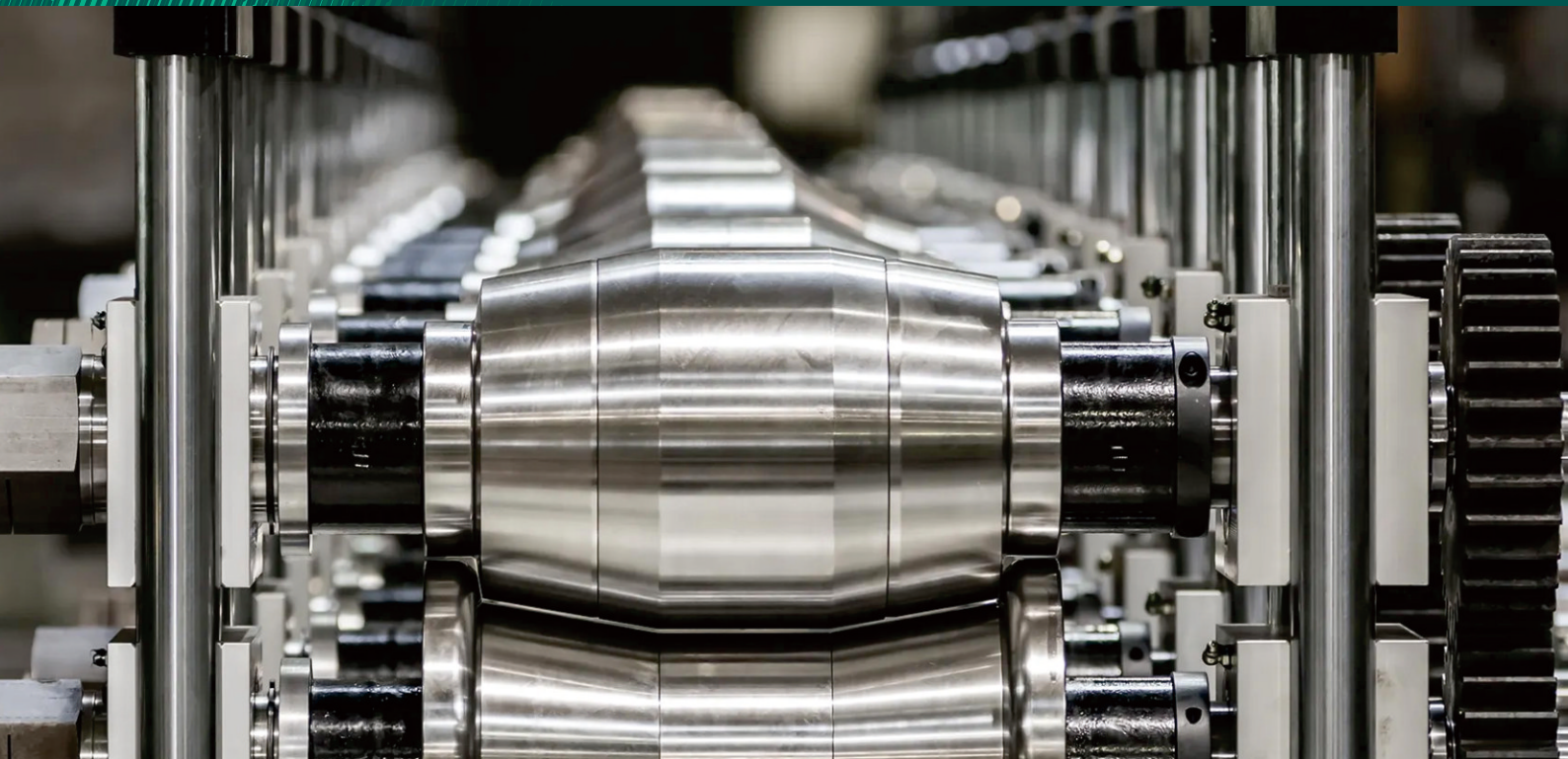
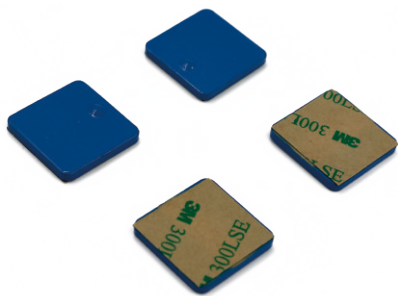




Cubnut-C Patch

25 x 25 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

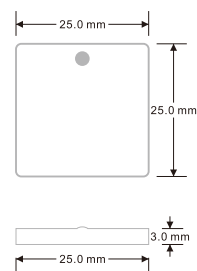
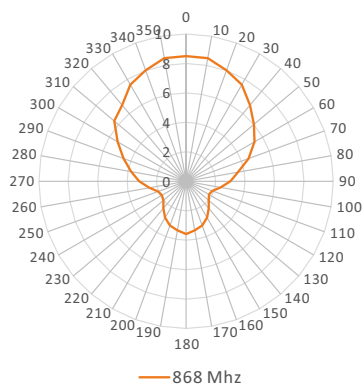
- ✓ Medical device
- ✓ Equipment & tool



Technical Features

Model	RCC6001
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)	ETSI: > 8.5 m(27.9 ft) , on metal
Physical Features	
Dimension	25 x 25 x 3 mm / 0.98 x 0.98 x 0.12 in
Material	Ceramic
Weight	8.6 g
Color	Black / Gray / Blue / White
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.
Package	Packed with plastic tray, 50 pcs/ tray

Radiation Pattern



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



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DISCLAIMER

All specifications are indicative and results may vary. Each user bears full responsibility for making its own determination as to the suitability of RICHRFID products, materials, services, recommendations, or advice for its own particular use.

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