



RFID UHF Tire Label

42.4 x 9 mm H10



The adoption of RFID technology to identify tires brings numerous benefits at logistical, organizational and security level, and in safety and performance control.

RICHRFID offers a rugged RFID label for automatic tire identification, which can be sealed in the inside of the tire itself with a special adhesive that allows strong tightness and reliable sealing for the entire life of the tire.

This label is compliant with EPC C1G2 (ISO18000-6C) standard, operating frequency is 860~960MHz (It can be used worldwide). Each tag has a unique TID and is unchangeable.

Highlights & Benefits

- ✓ Outstanding performance
- ✓ Flexible material to contour to any shape of tire
- ✓ ETSI(865-868 MHz) and FCC(902-928 MHz) optional
- ✓ Customization-design, printing, encoding available

Applications

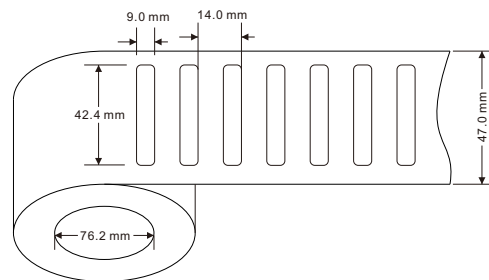
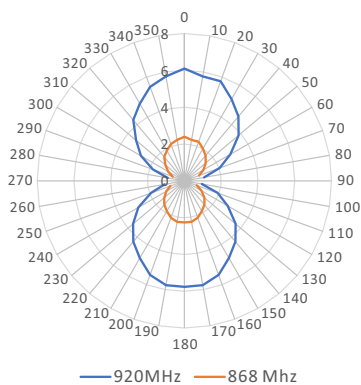
- ✓ Vehicle and truck management
- ✓ Tire anti cloning and brand protection
- ✓ Tire inventory tracking and anti theft



Technical Features

Model	RC9022
RFID Features	
Air Interface Protocol	EPC Class 1 Gen 2 / ISO 18000-63 Type C
Frequency	860-960 MHz
Chip Type	Alien Higgs 10
Memory	User - 96 bits; EPC - 32 bits; TID - 96 bits
Data Storage	> 10 years
Re-write	100,000 times
Read Range(2W ERP)	FCC: > 6.0 m(19.7 ft) , on rubber ETSI: > 2.3 m(7.6 ft) , on rubber
Physical Features	
Dimension	42.4 x 9 mm / 1.67 x 0.35 in
Material	PI
Color	White
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Survival Temperature	-40°C to 120°C / -40°F to 248°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
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.

RICHRFID

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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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