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This UHF RFID Tire tag is intended for embedding into the tire mould prior to the manufacture and curing of the tire. The tag protocol is ISO 16000-6C or EPC Class 1 Gen 2 with 192bits user memory. It survives high temperatures encountered in the tire curing process and is sturdy enough to remain operational throughout the life of the tire. It offers a read distance of up to 1m (3 feet) when embedded into the tire and provides a flexible construction to withstand tire deformation. The tag can be built into truck tires that can be recapped several times.

Key Features

- ✓ 860 to 950MHz frequency range for worldwide application
- ✓ Positively tested under the most difficult conditions in Nascar racing cars
- ✓ Ability to read and write user data into tag's internal memory
- ✓ Factory pre-programmed tag identification number is unique to prevent cloning





Technical Specifications

Tag Protocol	ISO 16000-6C or EPC Class 1 Gen 2
Read Range	Up to 1 meter or 3 feet when embedded in the tire
Write Range	70% of read range
Frequency Range	860 to 950MHz (optimized for 916MHz)
Polarization	Linear
Dimensions	94mm length, 1mm diameter (wire), 4mm width (chip)
Weight	2g or 0.07oz
Mounting	Embedded in the mould of the tire during manufacturing
EEPROM Size	192bits
Memory Resolution	Single byte addressing and locking
Memory Organization	96-bit programmable EPC number with lock possibility 192bit user memory with lock possibility





GAO RFID Inc.

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Product Overview

860 to 950MHz RFID Tire Tag (116042)



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Toll Free (USA & Canada)

1-877-585-9555

All Other Areas

416-292-0038

Dial Ext.601 for Sales
Ext.602 for Other Inquiries

China: 86-833-2419625

sales@GAORFID.com