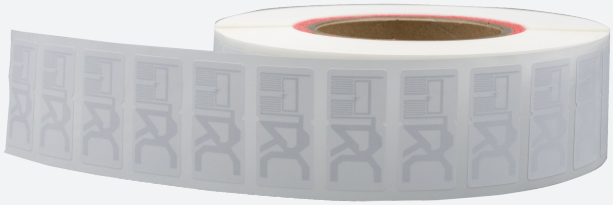


UHF Flag Label

43.5 x 21 mm 7U

The Flag label from RICHRFID is a synthetic paper RFID label engineered to maintain excellent reading performance even when applied to liquid containers or metal surfaces. Thanks to the engineering of a special antenna, it's now possible to detect with a good reading distance the most of liquid-based elements, such as blood bags, water/wine bottles and barrels.

The product is complied with EPC global Class 1 Gen 2 , ISO 9001 quality management and ISO 14001 environmental management standards, ensuring reliable, industry-grade performance for diverse use cases.

Equipped with the Qstar-7U IC ,The chip is an Internet of things (IOT) RFID chip that conforms to EPC global Gen 2 protocol. The RFID chip is highly cost-effective and has excellent read and write sensitivity. It can be connected or embedded into almost any product to achieve quick inventory counting, self-checking and verification, anti-counterfeiting traceability and other functions. The chip has 144 bits of EPC memory and 128 bits of user memory. Applicable to the Item Level Tagging, supply chain management and e-commerce logistics.

Overview

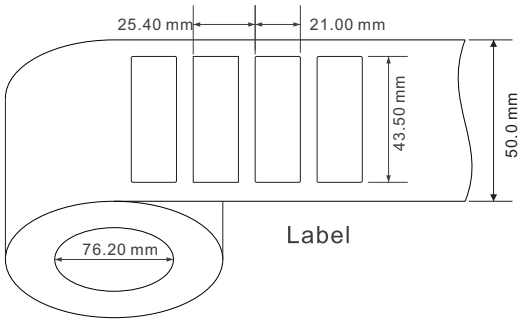
Frequency Band
UHF 860-960 MHz

Chip Type
Qstar - 7U

Dimensions
43.5 x 21 mm / 1.71 x 0.83 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

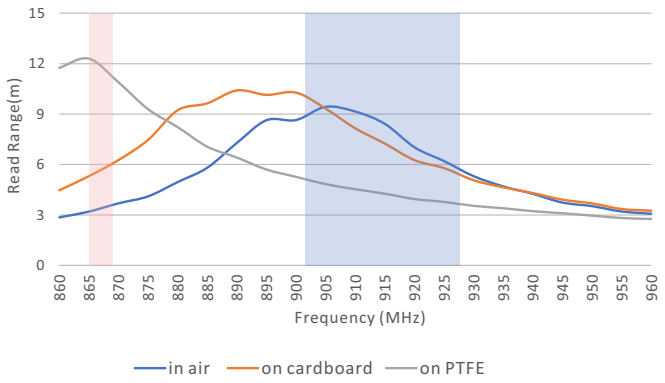
Application
Liquid containers
Metalwork
Electronics



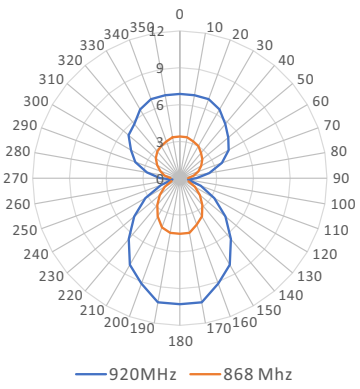
Technical Features

Model	RC5118
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	Qstar - 7U
Memory	User - 128 bits (Bigger capacity than same type chip) EPC - 144 bits; TID - 96 bits
Data Storage	> 10 years
Re-write	100,000 times
Physical Features	
Dimension	43.5 x 21 mm / 1.71 x 0.83 in
Material	PET
Adhesive	Double-sided tape
Operating Temperature	-40℃ to 85℃ / -40℉ to 185℉
Storage Condition	20±5℃, 50±10% RH, Store away from sunlight
Other Features	
Installation	Adhesive on clean & dry surface
Customization	Printing, Encoding, Designing, etc.
Package	2,500 pcs / roll, 4 rolls / box

Read Range(2W ERP)



Radiation Pattern



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

RICHRFID

Web: https://www.richrfid.com E-mail: info@richrfid.com

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