UHF Flag Label

58.5 x 21 mm U9

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 Gen2 , ISO 9001 quality management and ISO 14001 environmental management standards, ensuring reliable, industry-grade performance for diverse use cases.

Equipped with the NXP Ucode 9 IC ,Ucode 9 offers high performance and features for use in the most demanding RFID tagging applications. Particularly well suited for inventory management applications, for example, retail and fashion, baggage.taggingIn addition, it includes a self-adjusting mechanism that maximizes performance even under harsh environmental conditions. It offers improved read / write sensitivity and faster encoding speed. Also incorporates a band identification number function to verify product authenticity, as well as a memory safeguard system to protect operational data.

Overview

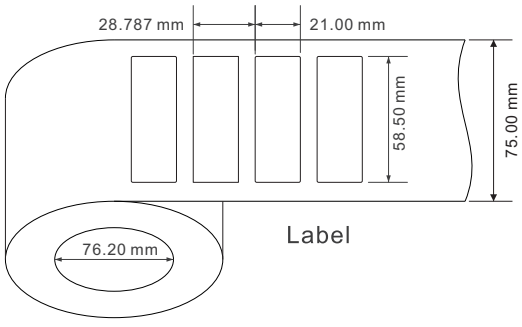
Frequency Band
UHF 860-960 MHz

Chip Type
NXP Ucode 9

Dimensions
58.5 x 21 mm / 2.30 x 0.83 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

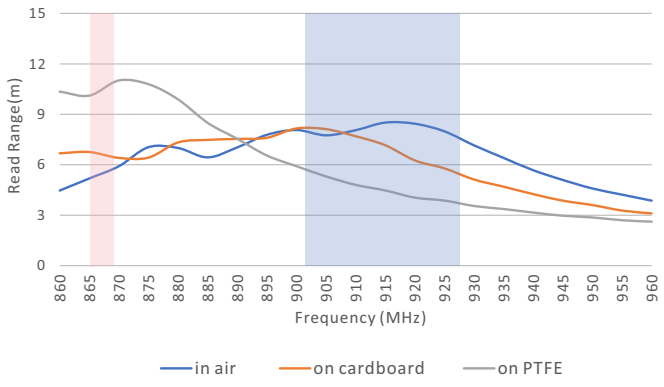
Application
Liquid containers
Metalwork
Electronics



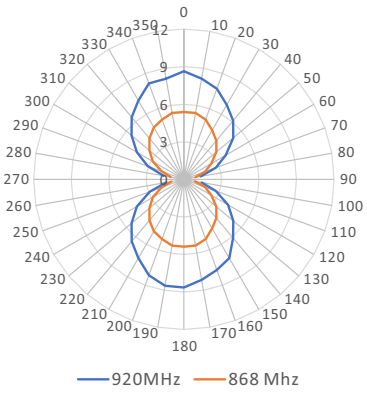
Technical Features

Model	RC5055
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	NXP Ucode 9
Memory	User - N/A; EPC - 96 bits; TID - 96 bits
Data Storage	> 10 years
Re-write	100,000 times
Physical Features	
Dimension	58.5 x 21 mm / 2.30 x 0.83 in
Material	PET
Adhesive	Double-sided tape
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Storage Condition	20±5°C, 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

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