

Mesh DF 54 x 34 mm 6S

The Mesh DF label from RICHRFID is a versatile, high-performance tag designed for a wide range of applications. It delivers reliable reading performance across supply chain management, inventory control, logistics, retail and apparel.

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-6S IC, superior long-range identification in UHF and convenient mobile identification in HF together with the state-of-the-art crypto-graphic security protection to the RFID world. Qstar-6S is fully compatible with ISO / IEC 18000-6C, EPC Global GEN2 V2 and ISO / IEC 14443 Type A, NFC Forumtm Type 2, featuring up to 2K bit-user memory in GEN2 shared with HF, this family has an outstanding data retention of up to 30 years at 85°C .

By enabling Privacy Mode, the label can be used for high-value products, authenticity verification, and applications requiring enhanced privacy protection.

The label size 54 x 34 mm and performance make it especially well-suited for retail application.

Overview

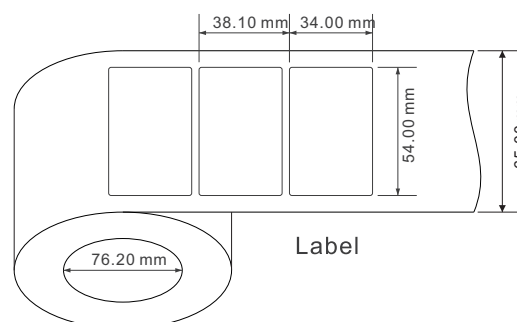
Frequency Band
UHF 860-960 MHz
HF 13.56 MHz

Chip Type
Qstar-6S

Dimensions
54 x 34 mm / 2.13 x 1.34 in

Air Interface Protocol
ISO/IEC 18000-63 Type C
ISO/IEC 15639 Type A
NFC FORUM Type 2

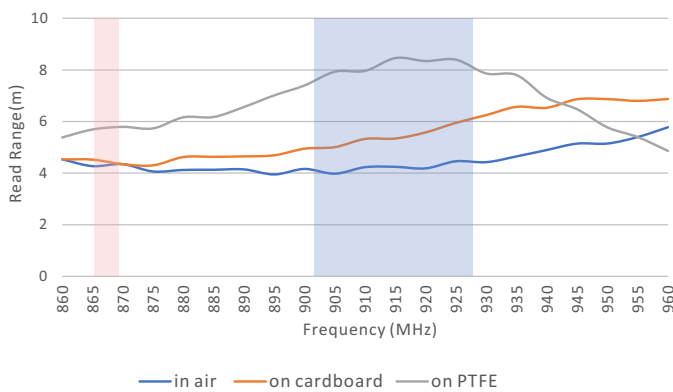
Application
Authentication & Brand protection
Digital product passport
Food & Pharmaceuticals
Supply Chain
Hospitality & Events



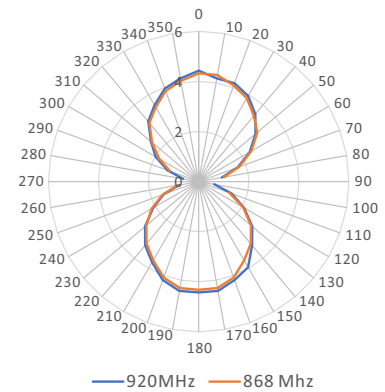
Technical Features

Model	RC5133
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	Qstar-6S
Memory	160 bits or 256 bits of EPC for UHF 96 bits or 128 bits of TID for UHF Up to 2K bits of User for UHF and HF
Data Storage	> 10 years
Re-write	100,000 times
Physical Features	
Dimension	54 x 34 mm / 2.13 x 1.34 in
Material	Coated Paper
Adhesive	Hot Melt
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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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.

For intended use only. Not to be repurposed or used for other applications without prior written permission from the manufacturer.

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