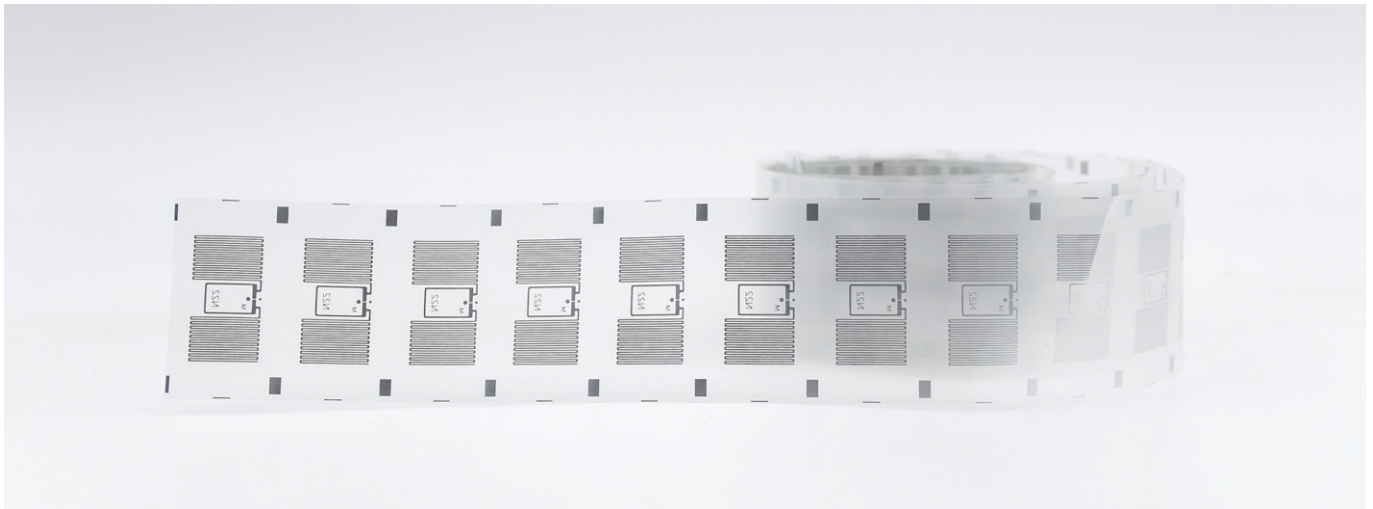




Niche 22 x 12 mm M830

The Niche from RICHRFID is a compact, high-performance dry inlay designed for apparel and fashion, beauty and personal care, and other small-item retail applications. Its compact form factor and Impinj M830 IC make it ideal for tagging small, high-value, or delicate retail items.

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

Equipped with the Impinj M830 IC, it offers improved read/write sensitivity compared with the M700 series, enabling faster and more accurate bulk reading performance. It supports standard access and kill functionality for secure data management and permanent tag deactivation when required in retail environments.

Designed for conversion into a 25 x 15 mm RFID label, the dry inlay can be used for jewelry labels, small display tags, cosmetic containers, and compact healthcare products where limited space requires a small RFID form factor.

Overview

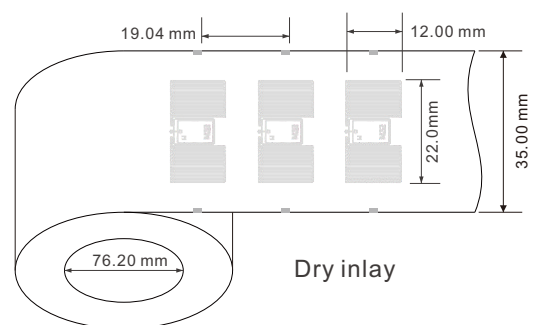
Frequency Band
UHF 860-960 MHz

Chip Type
Impinj M830

Dimensions
22 x 12 mm / 0.87 x 0.47 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

Application
Healthcare & Pharmaceuticals
Jewelry & Watch
Beauty Products

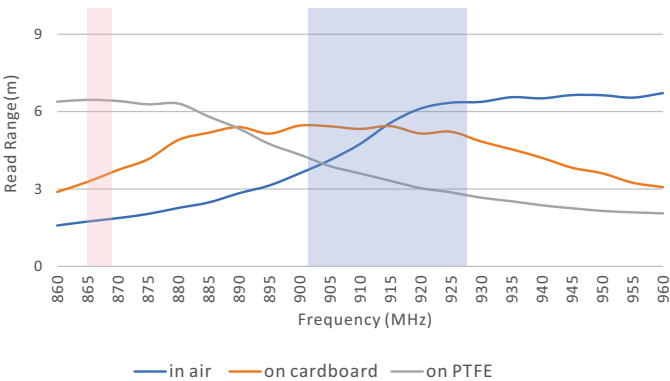


Technical Features

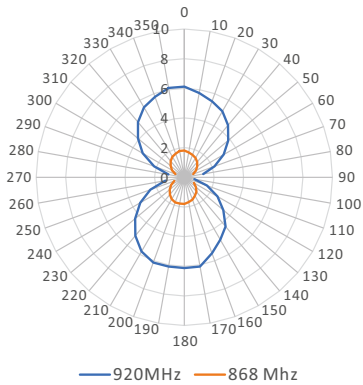


Chip Type	Impinj M830	
EPC	128 bits	
User	N/A	
TID	96 bits	
Model	—	RC5132
Delivery Format	Dry Inlay	Label
Die-Cut Dimension	—	25 x 15 mm / 0.98 x 0.59 in
Inlay Substrate	50 um PET	50 um PET
Face Material	—	Coated Paper
Adhesive	—	Hot Melt
Standard Pitch	19.04 mm / 0.75 in	19.04 mm / 0.75 in
Web Width	35 mm / 1.38 in	35 mm / 1.38 in
Core inner Diameter	76.2 mm / 3.0 in	76.2 mm / 3.0 in
Operating temperature	-40°C to 85°C / -40°F to 185°F	
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight	
Installation	—	Adhesive on clean & dry surface
Customization	Encoding, Designing, etc.	Printing, Encoding, Designing, etc.
Package	10,000 pcs / roll, 4 rolls / box	2,500 pcs / roll, 4 rolls / box
Application	Non-metal	

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
Shenzhen | Hong Kong | Singapore | Seoul | Tokyo | Paris



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.

@2026 RICHRFID. All rights reserved.