



Impinj® Monza® R6-P On-Metal Tamper Proof UHF RFID Label

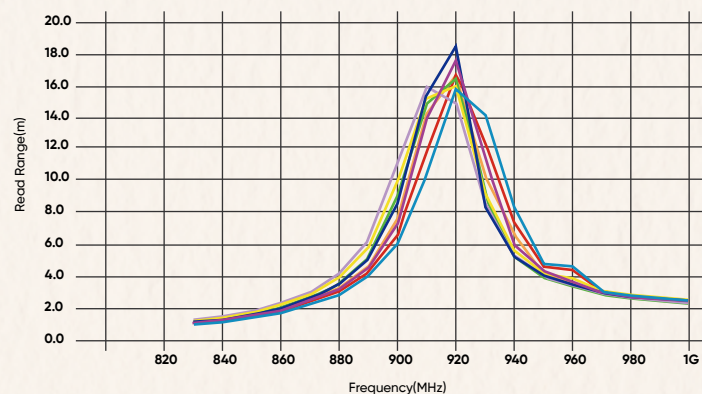
SKU:	RS-R6P-OMPET-TE-9040
Chip Type:	Impinj® Monza® R6-P
Frequency:	UHF 920.5-924.5 MHz
EPC Memory:	128/96 bits
User Memory:	32/64 bits
TID Memory:	96 bits
Serial Number:	48 bits
Read Range:	Up to 4 m
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2
Industry:	Automotive, Transportations, Industrial
Applications:	Metal, Vehicle Tracking, Asset Tracking, Industrial Use

The Impinj® Monza® R6-P On-Metal Tamper Proof UHF RFID Label is engineered for high-security tracking of metal assets in challenging industrial and logistics environments. Powered by the reliable Monza® R6-P chip, it delivers high read sensitivity, rapid inventory scanning, and consistent performance even when mounted directly on metallic surfaces. Compliant with ISO/IEC 18000-63 and EPCglobal Gen2v2 standards, the label integrates effortlessly into existing UHF RFID infrastructures, enabling precise asset identification, inventory optimization, and end-to-end supply chain visibility.

Designed with an anti-tamper structure, the label ensures protection against unauthorized removal or reuse—any attempt to detach the label will permanently damage the antenna or chip, rendering it unreadable. Its robust construction offers strong resistance to moisture, dust, and harsh industrial conditions, supporting reliable long-term deployment. Combining optimized on-metal RF performance with enhanced tamper resistance, this UHF RFID label provides a secure and dependable solution for equipment tracking, high-value asset management, and anti-counterfeiting applications.

Reading Performance

Reading Range Under Different Frequency



Physical Information

Material	PET
Label Size	90×40×2.2 mm
Operating Environment	-35°C~+85°C, 10%~95% RH
Storage Environment	+18°C~+28°C, 40%~60% RH
Mounting Method	Stick
Surface	Metal
ESD Limited Voltage	2KV
Option	Custom color printing (Embossing or laser-engraving) with barcode or text & personalization encoding
Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

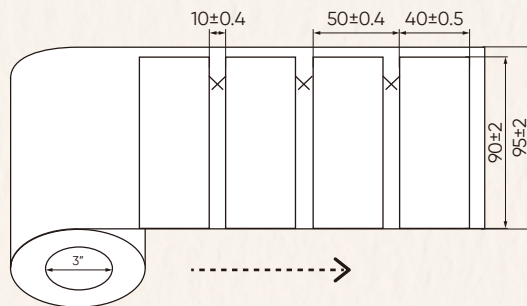
Technical Information

Operating Frequency	920.5-924.5 MHz
Communication Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2
Read Range	Up to 4 m
Chip Type	Impinj® Monza® R6-P
EPC Memory	128 bits
User Memory	64 bits
TID Memory	96 bits
Serial Number	48 bits
Fast Memory Write Speed	1.6 ms for 32 bits
TagFocus™ Mode	Support
FastID™ Mode	Support
Security Features	32 bits Access & Kill Password

Packing Information

Packing Format	Packed in roll, vacuumed packing in ESD bag
Roll OD	Max. 220 mm
Core ID	3 inch(76.20 ± 0.50 mm)
Packing Quantity	1000 Pcs/roll

Label Dimensions
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment. ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage. ● **Product Updates and Revisions:** RFIDSolution.com may change products, specs, or services at any time without prior notice. ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications. ● **Legal Notice:** Information is believed accurate but may change. RFIDSolution.com is not liable for use-related issues or outcomes.



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