

# On-Metal Monza ETSI

## Overview

---

**Frequency Band**

UHF 860 - 960 MHz

---

**Chip**

Impinj Monza 4QT

---

**Antenna Dimensions**

95 x 40 mm / 3.74 x 1.6 in

---

**International Standard**

ISO 18000-63, EPC Class 1 Gen 2

---

**Industry Segments**

Industrial Applications

---

**Applications**

On-Metal Asset Tracking

---

**RoHS**

EU Directive 2011/65/EC and  
Directive (EU) 2015/863

---

**REACH**

Regulation (EC) No. 1907/2006



## Thin UHF tag for difficult surfaces

Our On-Metal is designed for tagging metal objects and surfaces, as well as challenging non-metal objects. The thin, soft and flexible tag structure ideally suits curved and flat surfaces, and offers converters huge opportunities to create attractive solutions for end users.

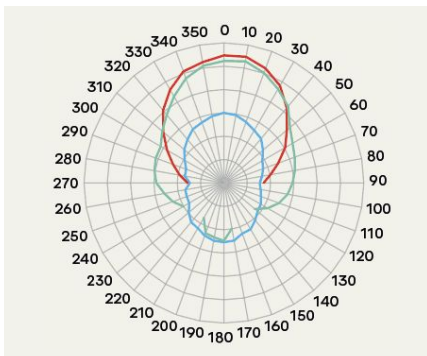
This printable, On-Metal enables applications that were not possible earlier with traditional UHF inlays, and offers the possibility to easily print and encode the product with standard RFID printers on-site. It delivers excellent performance on metal surfaces and liquid-filled bottles with a read-range of up to 3.5 meters. Furthermore, the tag features traceable and secure TID serialization. It is available in ETSI (for Europe) and FCC (for America and Asia) frequency bands. Our design and manufacturing expertise developed the thin On-Metal TAG, at  $600\mu\text{m} \pm 10\%$ , which not only protects the print heads of RFID printers, but also ensures optimum converting properties and usability. The product is delivered in wet format as a single-row at 500-unit reel with reliable adhesion for demanding surfaces. A clean gap between the tags makes it user-friendly, suitable for automated applicators, and minimizes waste at the point of use.

Tight quality control compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management ensures a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult surroundings and surfaces.

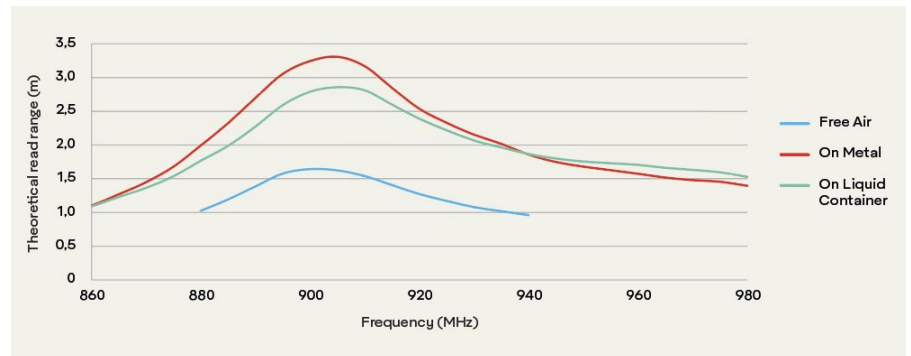
## Technical features

Chip	Impinj Monza 4QT
EPC and User Memory	128-bit and 512-bit
TID Memory	96-bit / 48-bit unique serial number
Product Code	3006387
Delivery Format	White wet inlay
Die-Cut Dimension	98 x 43 mm / 3.86 x 1.69 in
Inlay Substance	PET
Face Sheet	White PET
Standard Pitch	47 mm / 1.850 in
Web Width	102 mm / 4 in
Core Size	76 mm / 3 in
Quantity / Reel	500 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F

## Orientation sensitivity



## Read range



All graphs are indicative: performance in real life applications may vary.

## Contact information

rfid.averydennison.com/contact  
North America: +1-866-903-7343 (toll free US)  
International: +1-678-617-2359

Connect with us on:



© 2021 Avery Dennison Corp. All rights reserved. 170 Monarch Lane, Miamisburg, OH 45342, USA Third party trademarks and/or trade names used herein are the property of their respective owner(s). Some of the trademarks appear for identification purposes only.

**Warranty:** Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](https://www.averydennison.com/termsandconditions)

**Care and handling:** RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

**Applications:** This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

