

AD-251 r6-P ETSI

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza R6-P

IC Attachment Technology

Strap Attach

Antenna Dimensions

95 x 14.5 mm / 3.74 x 0.57 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Food

Applications

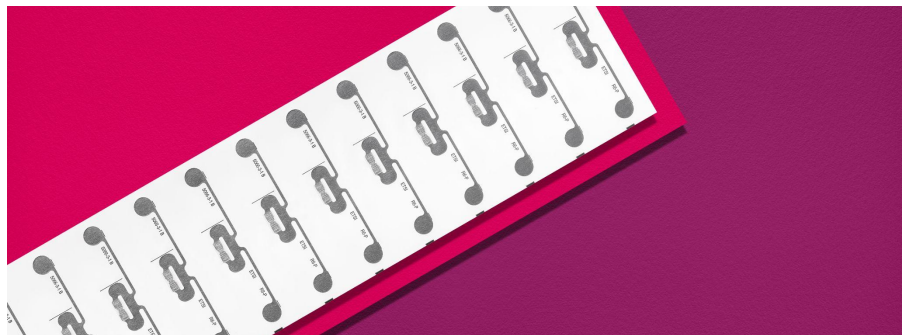
Microwave Resistant
Asset Tracking
Supply Chain Management

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Microwave Resistant UHF Inlay

As part of Avery Dennison's exclusive microwave resistant product line, AD-251r6-P inlays have been developed for providing a true end-to-end solution for the food industry.

AD-251r6-P inlays come with Monza r6-P chips from Impinj featuring 128/96-bit of EPC memory, 32/64-bit of User Memory and a 48-bit unique serialized TID Number. Delivery format is Pressure Sensitive Label.

All Avery Dennison microwave resistance inlays withstood unintentional microwave usage within set parameters. All Avery Dennison inlays are third party tested against the parameters listed on their datasheets and have been certified by TUV Rheinland for quality inspection and safety auditing.

Like all RFID products from Avery Dennison, AD-251r6-P inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

Technical features

Chip	Impinj Monza R6-P
EPC and User Memory	128-bit / 96-bit and 32-bit / 64-bit
TID Memory	96-bit / 48-bit unique serial number
Product Code	RF101536 / IL-608374
Delivery Format	Label / sticker
Die-Cut Dimension	98 x 18 mm / 3.90 x 0.70 in
Inlay Substrate	PET
Face Sheet	White PET
Total Thickness	14 - 16 mils / 349 - 400 microns
Standard Pitch	31.75 mm / 1.25 in
Web Width	105 mm / 4.125 in
Core Size	76 mm / 3 in
Quantity / Reel	5,487 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
On-Metal	Non metal

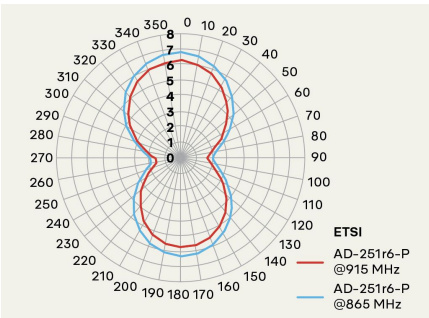
Recommended microwave use parameters

Microwave Wattage	Maximum Cook Time
950W	5 minutes
1200W	4 minutes
1800W	2 minutes

- Label placement on the side of packaging
- A minimum of 8 ounces of product with temperature ranging from frozen to chilled
- Products to include meat, fish, and prepared meals
- Packaging material to include plastic (e.g. PET) with plastic wrap, plastic with plastic lid, or cardboard
- Power setting up to and including 100% power for up to and including 5 minutes on the wattage set forth in the following table
- Label placement on the side of packaging
- A passed test is one that does not arc/spark and does not ignite during microwaving

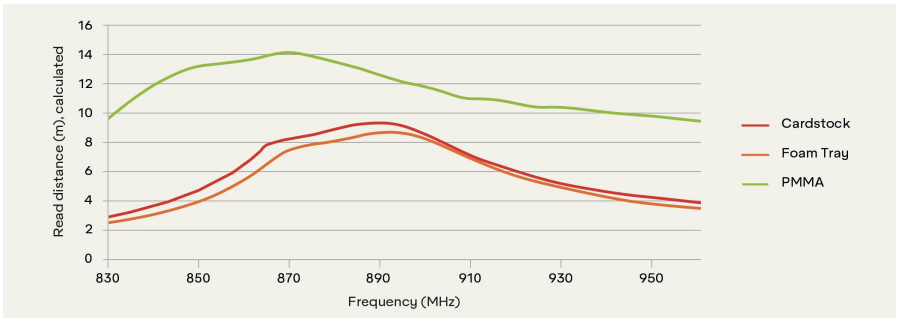
Avery Dennison will not be liable for i) any misuse of the product ii) any changes or modifications to the product iii) any unforeseen use of the product i. Avery Dennison's liability shall be limited to the replacement of the product and Avery Dennison shall have no liability for any damages, including any special, indirect or consequential damages.

Orientation sensitivity



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

Read range



Contact information

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Warranty: Please refer to Avery Dennison standard terms and conditions: rfid.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.