

# AD-151iM

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP G2iM

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**Antenna Dimensions**

22 x 15 mm / 0.90 x 0.60 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel  
Automotive

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**Applications**

Home Essentials  
Asset Tracking

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**RoHs**

EU Directive 2011/65/EU and  
2015/863 Compliant

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## Extra memory for automotive and apparel

### Exceptional performance across a wide range of dielectrics

AD-151iM from Avery Dennison is a high performing inlay suitable for a variety of RFID tagging applications, particularly in automotive manufacturing, apparel and housewares.

The Gen2 UHF RFID inlay features the UCODE iM chip by NXP. The chip is equipped with 256-bit of EPC memory, and 512-bit of User memory, which is a requirement for many automotive applications. TID memory is 96-bit, including a perma-locked unique 48-bit serial number, and a 16-bit unalterable XTID header.

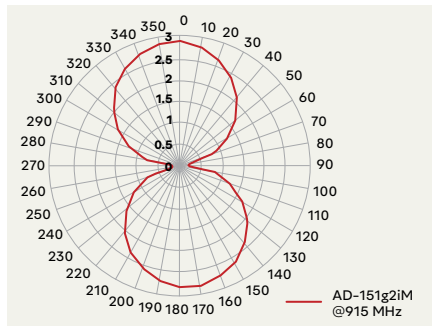
Delivery formats include dry inlay and wet inlay.

Like all RFID products from Avery Dennison, AD-151iM 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.

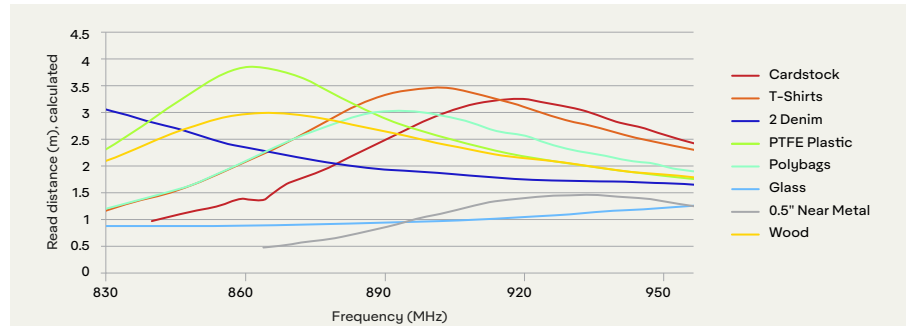
## Technical features

Chip	NXP G2iM	
EPC and User Memory	256-bit and 512-bit	
TID Memory	96-bit	
Product Code	RF601450	RF601451
Delivery Format	Dry inlay	Wet inlay
Die-cut Dimension	–	25 x 18 mm / 1 x 0.7 in
Inlay Substrate	PET	
Total Thickness	6 – 8 mils / 142 – 193 microns	7 – 9 mils / 180 – 231 microns
Standard Pitch	38.1 mm / 1.5 in	
Web Width	36 mm / 1 in	
Core Size	76 mm / 3 in	
Quantity / Reel	18500 pcs/reel	18400 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F	
On-Metal	Non metal	

## Orientation sensitivity



## Read range



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

## Contact information

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RoHS

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

