

# AD Miniweb M780 FCC

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

Impinj M780

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**Chip attachment technology**

Direct chip attach (DCA)

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**Antenna Dimensions**

42 x 16 mm / 1.70 x 0.60 in

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**International Standard**

ISO/IEC 18000-63, EPC Gen2 V2

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**Industry Segments**

Apparel  
Automotive  
Logistics

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**Applications**

Home Essentials  
Inventory and Logistics  
Supply Chain Management

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**RoHS**

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

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**REACH**

Regulation (EC) No. 1907/2006



## Tagging the difficult to tag in retail and beyond

AD Miniweb M780 FCC inlays from Avery Dennison are designed for global retail, industry, and supply-chain applications. They excel in minimum footprint and top performance on difficult-to-tag and low-detuning materials such as cardboard and plastic, and in other demanding, close-coupling environments.

Equipped with an M780 IC from Impinj, AD Miniweb FCC M780 features 496-bit EPC memory and 128-bit user memory. The IC is compatible with the global GS1 UHF Gen2v2 standard and features a privacy mode that enables loss prevention and protects consumer privacy.

Available in dry, wet, and paper tag delivery formats, AD Miniweb FCC M780 inlays have a compact size 45 x 18 mm which can be easily converted for end-application usage, and make the product suitable for the applications where the space is limited but still large data needs to be store inside tag.

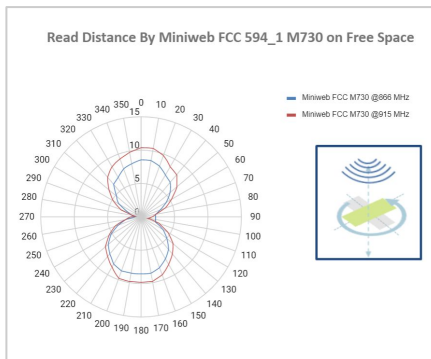
Like all RFID products from Avery Dennison, AD Miniweb FCC M780 inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality. AD Miniweb FCC M780 has passed ARC category F, G, M,N,Q, W2, W5, W6, requirements in FCC frequency band.



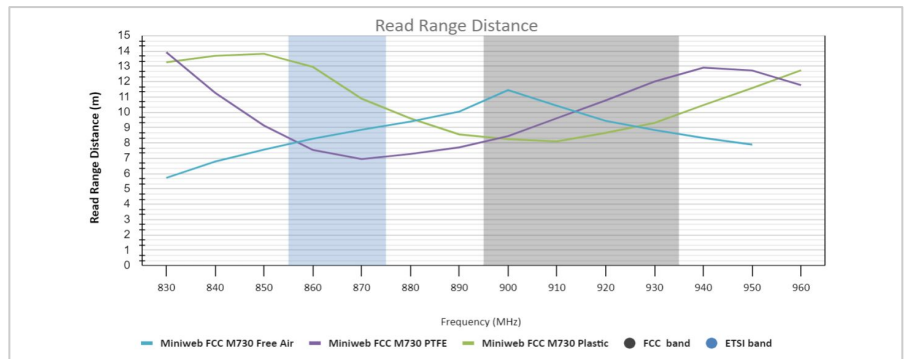
## Technical features

Chip	Impinj M780		
Chip attachment technology	Direct chip attach (DCA)		
EPC and User Memory	496-bit and 128-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3008809 / IL-604608	3008811 / IL-604610	3008812 / IL-604611
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	–	45 x 18 mm / 1.80 x 0.70 in	45 x 18 mm / 1.80 x 0.70 in
Inlay Substrate	PET	PET	PET
Face Sheet	–	–	Mid-gloss paper
Standard Pitch	20 mm / 0.79 in	20 mm / 0.79 in	20 mm / 0.79 in
Web Width	48 mm / 1.89 in	48 mm / 1.89 in	48 mm / 1.89 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	20,000 pcs/reel	20,000 pcs/reel	5,000 pcs/reel
Quantity/Pack	40,000 pcs/box	40,000 pcs/box	10,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificates			

## Orientation sensitivity



## Read range



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

### Contact information

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Connect with us on:



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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.

