

# AD Squarewave M730

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

Impinj M730

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**Antenna Dimensions**

93 x 11 mm / 3.66 x 0.43 in

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**International Standard**

ISO/IEC 18000-63, EPC Gen2 V2

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**Industry Segments**

Industry  
Logistics  
Automotive

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**Applications**

Home Essentials  
Supply Chain Management  
Inventory and Logistics

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**RoHS**

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

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**REACH**

Regulation (EC) No 1907/2006



## High performance condensed to the max

AD Squarewave M730 inlays and tags are designed for global retail, industrial and supply-chain applications, offering excellent performance not only on low detuning materials such as cardboard and plastic, but also on materials with high dielectric effect. With relatively narrow width, this product has a flat global performance over whole UHF band on variety of materials.

AD Squarewave M730 inlays and tags are a size-optimized 97 mm / 4 inch form factor, making them suitable for use with a wide range of supply chain labels, and are available in dry, wet and label delivery formats.

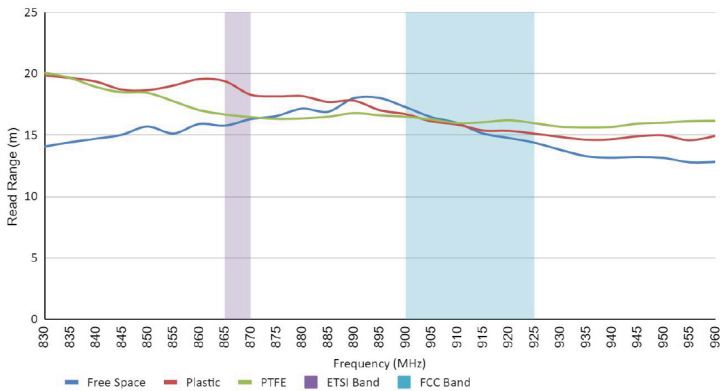
The AD Squarewave M730 features Impinj's M730, offering high performance across different materials and challenging environments due to enhanced adaptive RF tuning features. The Impinj M730 IC has 128-bit EPC memory, and compatible with the global GS1 UHF Gen2v2 standard which ISO/IEC standardized as 18000-63.

Like all RFID products from Avery Dennison, AD Squarewave M730 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.

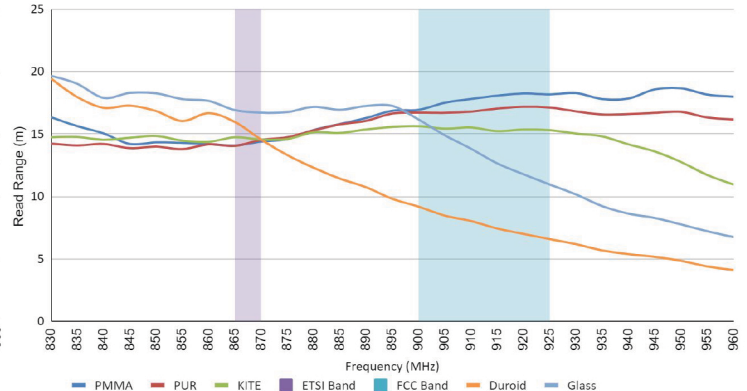
## Technical features

Chip	Impinj M730			
EPC and User Memory	128-bit and 0-bit			
TID Memory	96-bit / 48-bit unique serial number			
Product Code	3007901 / IL-603937	3007902 / IL-600036	3007903 / IL-603939	3007906 / IL-603940
Delivery Format	Dry inlay	Wet inlay	Label	Label
Die-Cut Dimension	-	97 x 15 mm / 3.8 x 0.6 in	97 x 15 mm / 3.8 x 0.6 in	97 x 15 mm / 3.8 x 0.6 in
Inlay Substrate	PET	PET	PET	PET
Face Sheet	-	-	Mid-gloss paper	Opaque matt paper
Inlay Liner Material	Siliconized paper	Siliconized paper	Siliconized paper	Siliconized paper
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	97 mm / 3.8 in	100 mm / 4 in	100 mm / 4 in	100 mm / 4 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	20,000 pcs/reel 20,000 pcs/box	20,000 pcs/reel 20,000 pcs/box	5,000 pcs/reel 10,000 pcs/box	5,000 pcs/reel 10,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F			

### Read range in Class 1 materials



### Read range in Class 2 materials



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



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**Warranty:** Please refer to Avery Dennison standard terms and conditions:

**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.

