

AD-386 M730/M750

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj M730
Impinj M750

Antenna Dimensions

50 x 30 mm / 1.97 x 1.18 in

International Standard

ISO 18000-63 TYPE C

Industry Segments

Apparel
Logistics

Applications

Brand Protection
Home Essentials
Supply Chain Management

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Next-gen apparel tag with high read sensitivity

AD-386 M730/M750 is the next generation of Avery Dennison's popular 50 x 30mm apparel tag, featuring the Impinj M750 chip.

The M750 IC offers up to 2 dBm more read sensitivity than its previous generation, the Monza R6 IC. This translates to improved read distance of up to 4 meters on stacked denim and up to 6 meters on high dielectric materials (PMMA).

AD-386m750 provides 96-bit EPC and 32-bit user memory. The inlay is also available with the Impinj M730 chip, which provides 128-bit EPC. RF performance is comparable between the two chip versions.

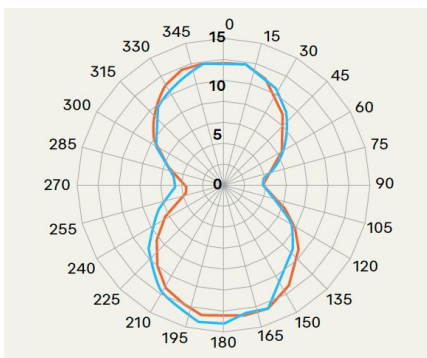
The product is currently offered in dry and wet formats with a 40# paper antenna carrier, as well as a thermal transfer printable paper label.

The inlay is compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment. It is manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University, which awarded Avery Dennison its first ever ARC accreditation for overall quality.

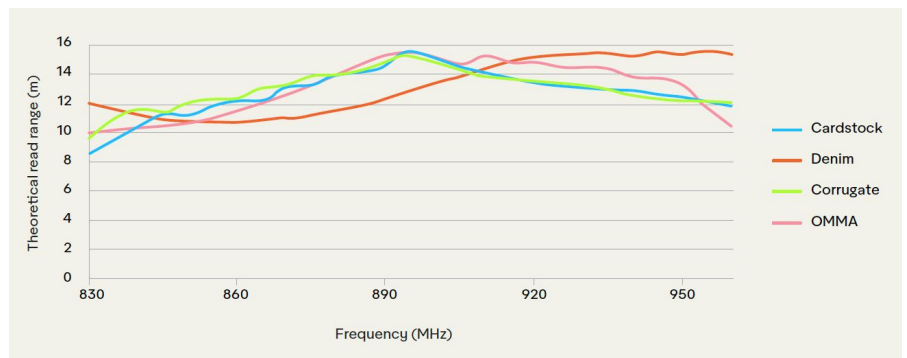
Technical features

Chip	Impinj M730/M750		
EPC and User Memory	96-bit and 32-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF601846 / IL-606351	RF601847 / IL-605314	RF100822 / IL-605503
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	–	54 x 34 mm / 2.13 x 1.34 in	54 x 34 mm / 2.13 x 1.34 in
Inlay Substrate	40# paper	–	Material
Face Sheet	–	–	Thermal transfer printable paper
Inlay Liner Material	–	Siliconized paper	Siliconized paper
Total Thickness	10 - 13 mils / 254 - 330 microns	11 - 14 mils / 280 - 355 microns	15 - 17 mils / 389 - 439 microns
Standard Pitch	50.8 mm / 2 in		
Web Width	58.0 mm / 2 in		
Core Size	76 mm / 3 in		
Quantity / Reel	–	7,500 pcs/reel	7,500 pcs/reel
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

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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

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.

