

Dogbone® M750

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza 750

Antenna Dimensions

94 x 24 mm / 3.70 x 0.90 in

International Standard

ISO 18000-63 TYPE C

Industry Segments

Automotive

Logistics

Sports and Events

Applications

Sports Timing

Supply Chain Management

Inventory and Logistics

RoHs

EU Directive 2011/65/EU and

2015/863 Compliant

REACH

Regulation (EC) No 1907/2006



Excellent global performance on difficult-to-tag materials

Dogbone® M750 inlays from Avery Dennison are designed for global supply chain, industrial, RTI, and sports timing applications. They excel through superior performance in demanding environments and on difficult-to-tag materials, due to their good tolerance against the detuning effect of high dielectric materials.

The product is equipped with the M750 IC from Impinj. The IC comes with 96-bit EPC memory and 32-bit User memory, and offers an enhanced “autotune” adaptive RF tuning feature. In addition, the IC has an improved read and write sensitivity, enabling faster and more accurate bulk reading compared to Impinj Monza R6/R6-P.

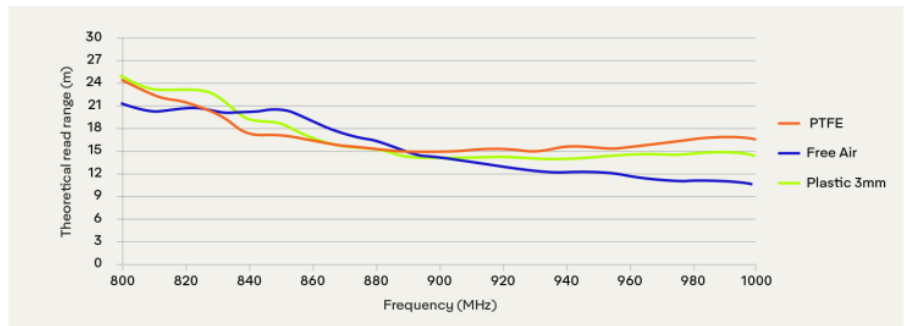
The M750 IC is compatible with the global GS1 UHF Gen2v2 standard and has a privacy mode that enables loss prevention and protects consumer privacy. Dogbone® M750 inlays have a size of 97 x 27 mm, which is optimized for 100 mm / 4 inch wide converted labels, and are available in dry, wet, and paper tag delivery formats.

Like all RFID products from Avery Dennison, Dogbone® M750 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.

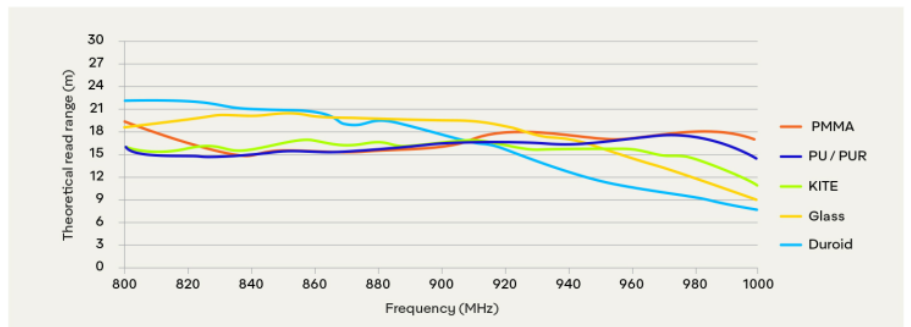
Technical features

Chip	Impinj Monza 750		
EPC and User Memory	96-bit and 32-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3007480	3007481	3007482
Delivery Format	Dry inlay	Wet inlay	Wet inlay
Die-cut Dimension	-	97 x 27 mm / 3.82 x 1.06 in	97 x 27 mm / 3.82 x 1.06 in
Inlay Substrate	PET		
Face Sheet	Clear PET	White PET	Mid-gloss paper
Inlay Liner Material	Siliconized paper		
Standard Pitch	30 mm / 1.18 in		
Web Width	100 mm / 3.94 in		
Core Size	76 mm / 3 in		
Quantity / Reel	10,000 pcs/reel	3,000 pcs/reel	3,000 pcs/reel
Operating Temperature	-45 °C to 85 °C / -49 °F to 185 °F		

Theoretical read range in Class 1 materials



Theoretical read range in Class 2 materials



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



© 2021 Avery Dennison Corp. All rights reserved. 170 Monarch Lane, Miamisburg, OH 45342, USA Third party trademarks and/or trade names used herein are the property of their respective owner(s). Some of the trademarks appear for identification purposes only.

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.

