

AD Belt M750

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj M750

Antenna Dimensions

70 x 14 mm / 2.76 x 0.55 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Apparel
Logistics
Automotive

Applications

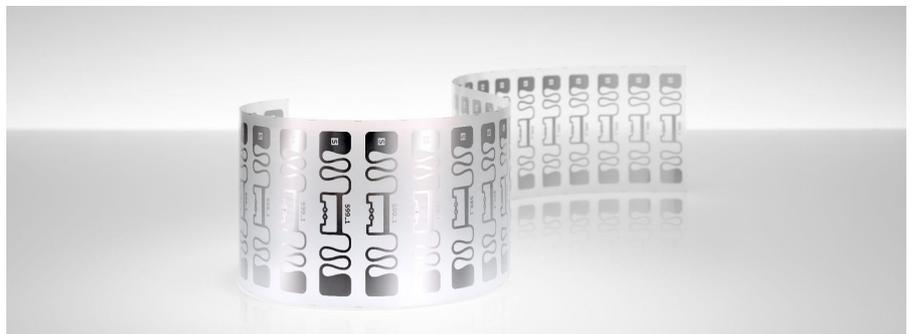
Home Essentials
Supply Chain Management
Inventory and Logistics

RoHS

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

REACH

Regulation (EC) No 1907/2006



High performance condensed to the max

AD Belt M750 inlays and tags are designed for global retail, logistics and supply-chain applications, offering excellent performance on difficult-to-tag or low detuning materials such as cardboard and plastic, and in other demanding, close-coupling environments. With a compact 73 mm (2.8 inch) form factor, easily convertible into end-application usage, they are available in dry, wet and paper tag delivery formats.

The AD Belt M700 series features Impinj's M750 IC, offering high performance across different materials and challenging environments due to enhanced adaptive RF tuning features. It also has improved read and write sensitivity, with very fast and accurate reading within a large population of tags, and a privacy mode which enables loss prevention and protects consumer privacy by making a tag invisible to RAIN readers.

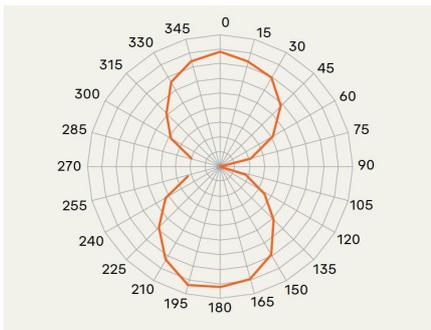
The Impinj M750 IC has both 96-bit EPC memory and 32-bit user memory. The IC is compatible with the global GS1 UHF Gen2v2 standard which ISO/IEC standardized as 18000-63.

Like all RFID products from Avery Dennison, AD Belt M750 inlays are 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. The RFID Lab at Auburn University has awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality

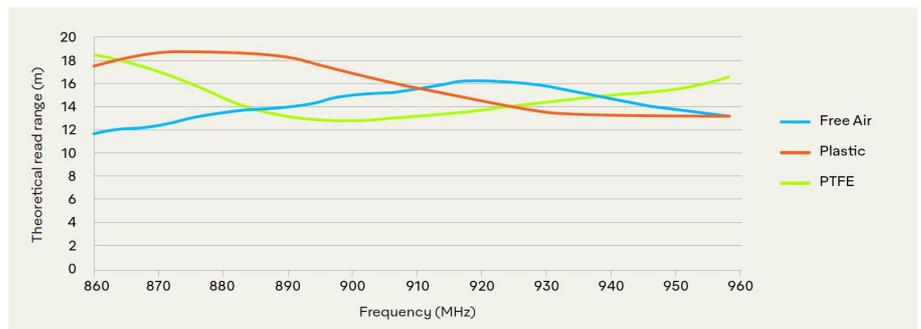
Technical features

Chip / IC Attachment Technology	Impinj M750 / Direct Chip Attach		
EPC and User Memory	96-bit and 32-bit		
TID Memory	96 bits of Serialized TID with 48-bit serial number		
Product Code	3007491 / IL-603668	3007534 / IL-603698	3007492 / IL-603669
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	–	73 x 17 mm / 2.87 x 0.67 in	73 x 17 mm / 2.87 x 0.67 in
Inlay Substrate	PET	PET	PET
Face Sheet	–	–	Mid-gloss paper
Inlay Liner Material	–	Siliconized paper	Siliconized paper
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	80 mm / 3.15 in	80 mm / 3.15 in	80 mm / 3.15 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
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC Specification Guide		

Orientation sensitivity



Read range



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

Contact information

rfid.averydennison.com/contact
+1-678-617-2359

Connect with us on:



© 2022 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.

