AD-334 M750

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
Impinj M750

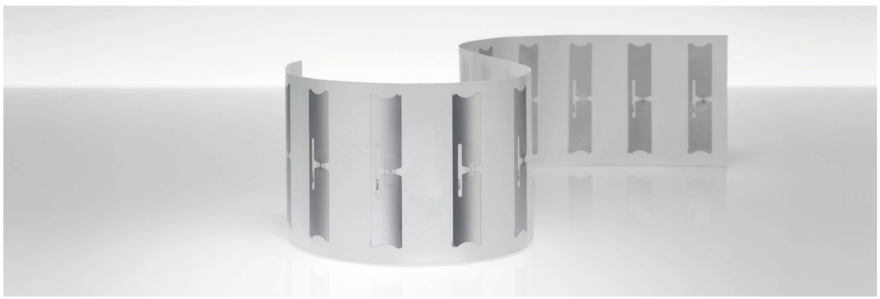
Antenna Dimensions
70 x 14.4 mm / 2.76 x 0.57 in

International Standard
ISO/IEC 18000-63, EPC Gen2 V2

Industry Segments
Apparel
Logistics

Applications
Apparel
Supply Chain Management
Inventory and Logistics

RoHS
EU Directive 2011/65/EU and 2015/863 Compliant



Apparel tagging condensed to the max

Avery Dennison Smartrac's AD-334 M750 inlay is designed for global retail, industry and supply-chain applications, offering excellent performance for tagging any type of apparel in the global supply chain. Offering high RFID read performance for in-store inventory with a handheld reader, it also provides high performance for boxed goods in distribution centers.

Performance tests confirm the inlays achieves excellent performance in terms of sensitivity and backscatter, covering materials for hang tickets, knits, denim and synthetics (rubber) as well as stacked / high-density scenarios.

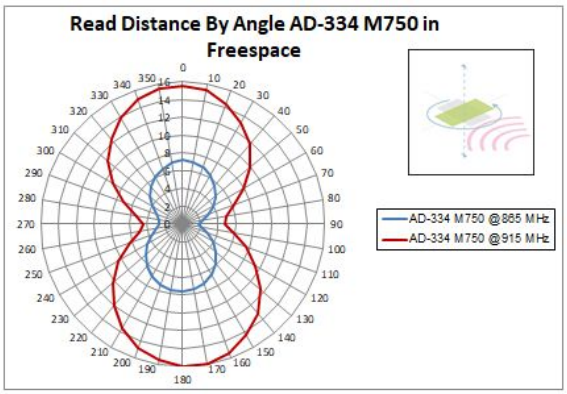
The product is available with the Impinj M730 or M750 chip. The Impinj M730 IC has 128-bit EPC memory, and the Impinj M750 IC has both 96-bit EPC memory and 32-bit user memory. Both Impinj ICs are compatible with the global GS1 UHF Gen2v2 standard (ISO/IEC 18000-63). The inlay has also passed several ARC Spec requirements of the RFID Research Center of the University of Auburn. Delivery formats include dry inlay, wet inlay and paper label.

AD-334 M750 inlays comply 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. They are manufactured 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.

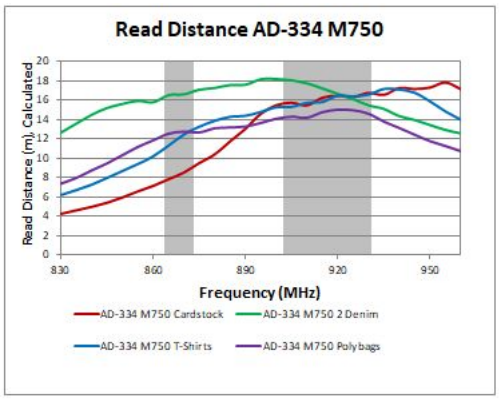
Technical features

Chip	Impinj M750		
EPC and User Memory	96-bit and 32-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF602106 (JZ) / IL-607732	RF602109 (JZ) / IL-608340	RF100953 (PY) / IL-606945
Delivery Format	Dry inlay	Wet inlay	Paper label
Die-Cut Dimension	–	76.2 x 20.32 mm / 3..0 x 0.8 in	76.2 x 20.32 mm / 3.0 x 0.8 in
Inlay Substrate	Opaque PET	Opaque PET	40# Paper
Face Sheet	–	–	TT2C Bright White
Inlay Liner Material	N/A	PET	Paper
Total Thickness	10.6 – 12.6 mils / 269 – 320 microns	10.9 – 12.9 mils/ 276 – 327 microns	15.9 – 17.9 mils 403 – 454 microns
Standard Pitch	38.1 mm / 1.5 in	38.1 mm / 1.5 in	38.1 mm / 1.5 in
Web Width	83 mm / 3.25 in	83 mm / 3.25 in	83 mm / 3.25 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	MAX OD: 13 in. Quantity/Reel: TBD	MAX OD: 13 in. Quantity/Reel: TBD	MAX OD: 8 in. Quantity/Reel: TBD
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	-40 °C to 85 °C / -40 °F to 185 °F	-40 °C to 85 °C / -40 °F to 185 °F
Certificates	ARC: Spec N, Spec Q, Spec G, Spec F, Spec H, Spec L, Spec I, Spec K, Spec J, Spec W1, Spec W2, Spec W3, Spec W4, Spec W5, and Spec W6		

Orientation sensitivity



Read range



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

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