AD-311 M750

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
Impinj M750

IC Attachment Technology
Strap Attach

Antenna Dimensions
41.4 mm x 29 mm / 1.63 x 1.142 in

International Standard
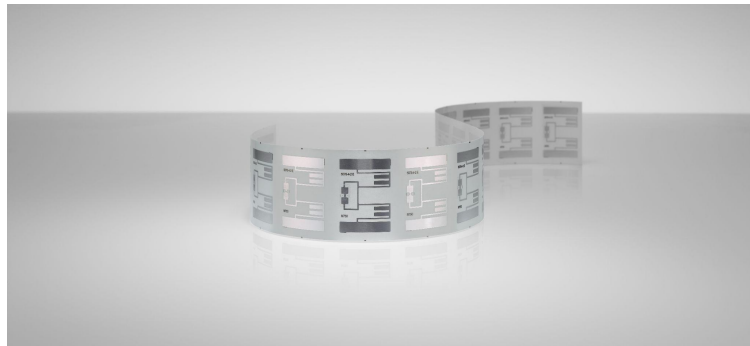ISO/IEC 18000-63 Type C

Industry Segments
Apparel
Logistics
Healthcare

Applications
Supply Chain Management
Brand Protection
Home Essentials

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

High performance and flexible use

AD-311 M750 inlays from Avery Dennison Smartrac are the solution of choice for a wide variety of RFID tagging applications and features the M750 chip by Impinj.

The high performing, Gen2 UHF RFID inlays are a perfect fit for retail items such as apparel and home essentials, and integrate well into supply chain, inventory and logistics applications.

AD-311 M750 inlays provide 96 bits of EPC memory and 32 bits of User Memory and enables features such as AutoTune™, Enduro™, Integra™, FastID™, TagFocus™, BlockWrite, Lock/Permalock, Access/Kill, Untraceable/Short Range Mode, and Protected Mode. A 96-bit Tag IDentifier (TID) is factory locked with a 48-bit unique serial number embedded into the TID.
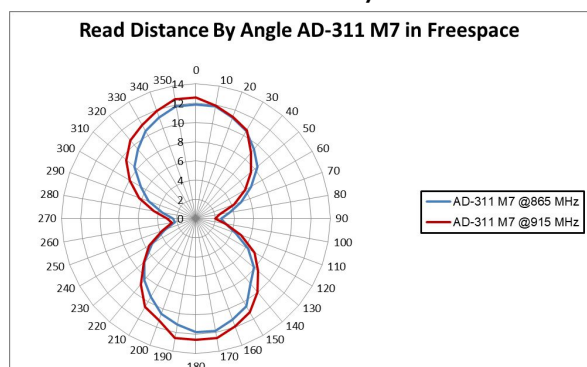
Delivery formats include dry inlay, wet inlay, and paper label..

Like all RFID products from Avery Dennison, AD-311 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.
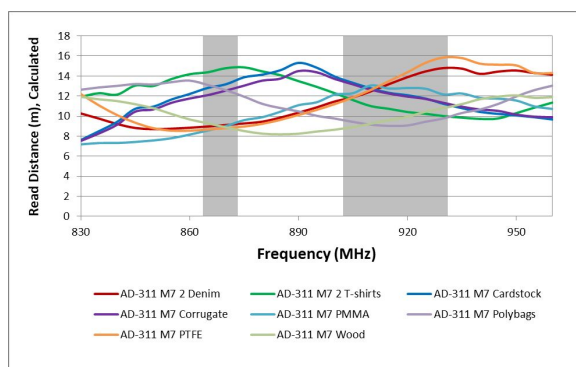
Technical features

Chip / IC Attachment Technology	Impinj M750 / Strap Attach	
EPC and User Memory	96-bit EPC / 32-bit User Memory	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF602391 / IL-607269	RF101090 / IL-608400
Delivery Format	Wet inlay	Label / sticker
Die-Cut Dimension	44.45 x 33 mm / 1.75 x 1.30 in	44.45 x 33 mm / 1.75 x 1.30 in
Inlay Substrate	40# Paper	40# Paper
Face Sheet	-	TT2C (FASSON®) Bright White
Total Thickness	12 - 15 mils 323 - 374 microns	16 - 18 mils 411 - 463 microns
Standard Pitch	38.1 mm / 1.5 in	38.1 mm / 1.5 in
Web Width	50.8 mm / 2 in	50.8 mm / 2 in
Core Size	76 mm / 3 in	76 mm / 3 in
Size of Roll	8 in Max OD	8 in Max OD
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F	
On-Metal	Non metal	
Certificate	ARC Specification Guide	

Orientation Sensitivity

Read Distance By Angle AD-311 M7 in Freespace

- AD-311 M7 @865 MHz
- AD-311 M7 @915 MHz

Read Distance

- AD-311 M7 2 Denim
- AD-311 M7 2 T-shirts
- AD-311 M7 Cardstock
- AD-311 M7 Corrugate
- AD-311 M7 PMMA
- AD-311 M7 Polybags
- AD-311 M7 PTFE
- AD-311 M7 Wood

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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