



RFID

AD-550m5

Application

Notes

AVERY DENNISON
ELEVATE BRANDS
ACCELERATE PERFORMANCE

RFID Product Management
Avery Dennison | Miamisburg, OH USA
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Avery Dennison is pleased to offer **AD-550m5**, a performance driven, **Gen2 UHF RFID** inlay delivering superior read ranges at global frequencies. This inlay is highly recommended for use in Aviation Baggage applications, where omni-directional read capture is required.

FEATURES AND ATTRIBUTES

Product Characteristics & Memory Capacity

Antenna Dimensions: 1.496 x 2.992 in [38 x 76mm]	Chip: Impinj Monza 5
Operating Frequency: Global (860 – 960MHz)	EPC Memory: 128 bit
RF Protocol: ISO-18000-6C, EPC Class 1, Gen 2	TID Memory: 96 bits 48 bit unique serial number
	USER Memory: 32 bit



Wide Band Ability and Orientation Insensitive

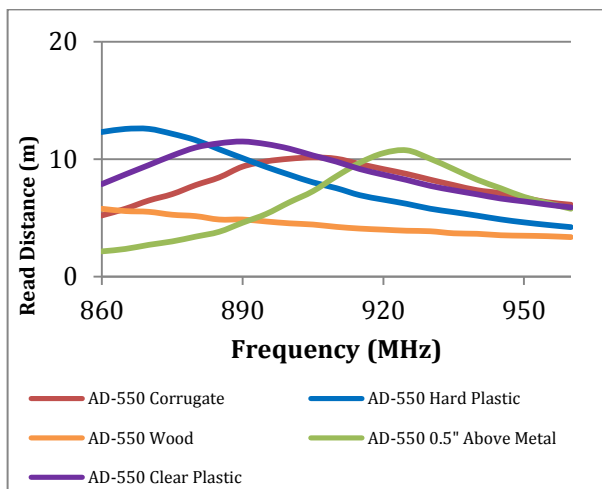
AD-550m5 is a unique antenna design offering excellent broad band (860-960 MHz) read range performance across multiple regions including Europe, Asia-Pacific and the Americas. The Monza 5 equipped inlay exhibits long distance read capture from all directions, regardless of tag-to-reader alignment and difficult angles. In addition, the read range is not impacted by tag position/placement on cartons or cases as the tag can be read edge-on or face-on equally as well.



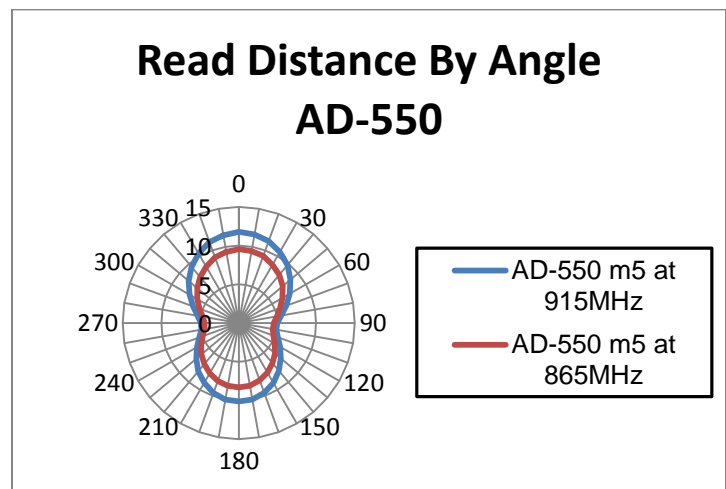
Aviation Baggage

People are traveling by air today more than ever, and passengers want to ensure their luggage reaches their destinations when they do. With our RFID asset-tracking solutions—including AD-550m5 covert inlays and other RFID labels, Avery Dennison is making the tracking and locating of baggage far easier and more efficient than traditional barcode technology. With RFID, bags can be scanned with no line of sight, even while bags are moving.

AD-550m5 delivers exceptional performance across a wide range of dielectrics



Tag Power Sensitivity

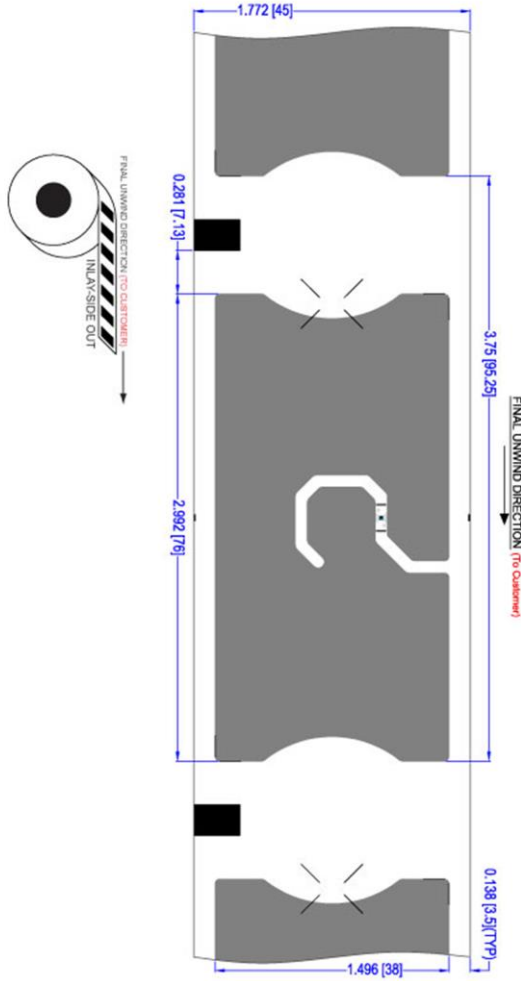


Tag Orientation Sensitivity

Terms and conditions relating to Avery Dennison testing results can be found at <http://rfid.averydennison.com/en/home/testing-services.html>



AD-550m5 – 600381 Dry Inlay – Web 1.772"



AD-550m5 – 600382 Wet Inlay – Web 1.621"

