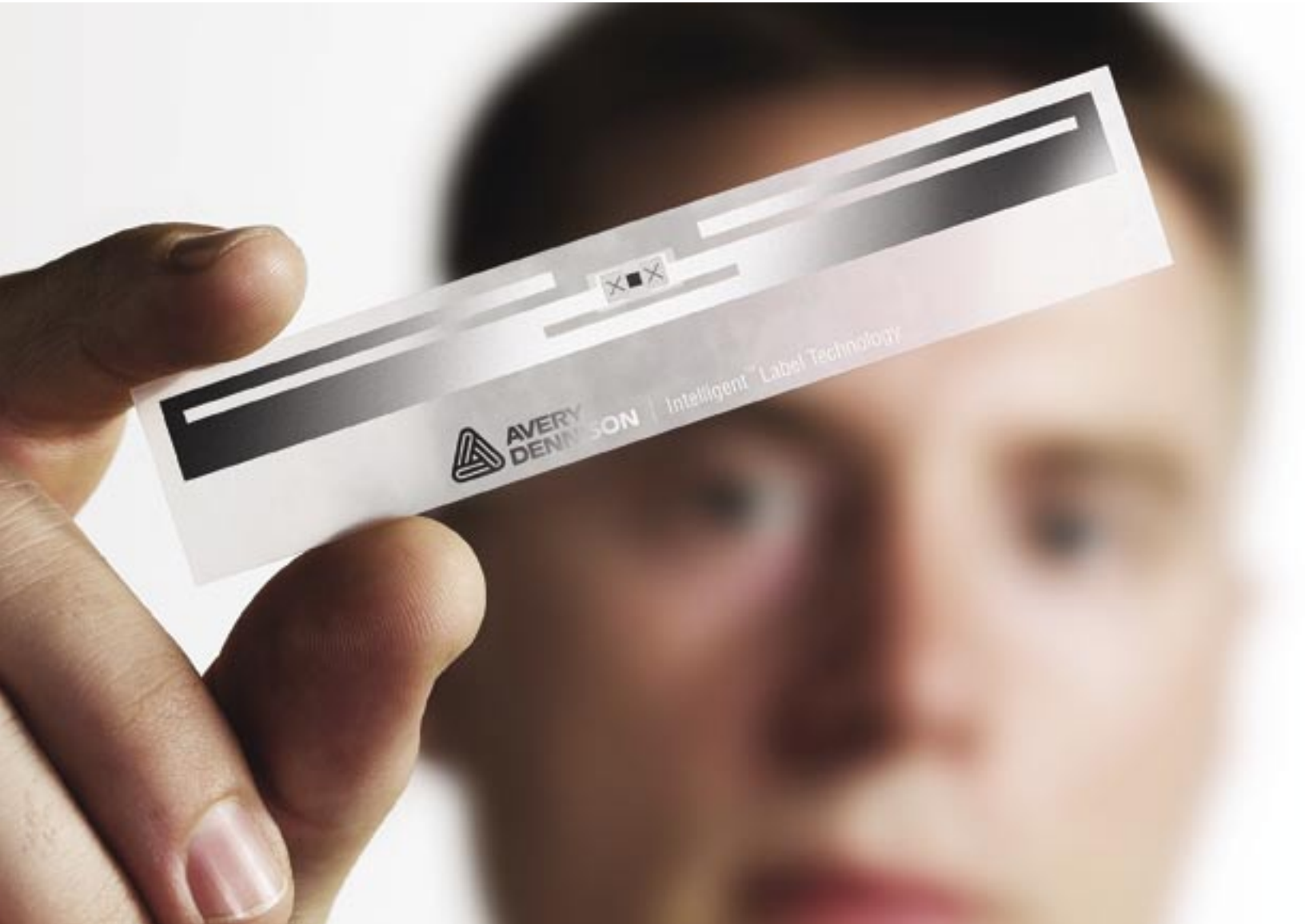


Avery Dennison AD-220 RFID Inlays



This Gen 2, general purpose tag is designed for corrugated box labeling applications. It provides impressive performance on a variety of case contents.

EPC Protocol

UHF Class 1, Gen 2

Memory

96 Bit Read/Write

Frequency

902-928 MHz

AD-220 Dry Inlay

RF Performance

SKU compatibility UHF favorable
Operating frequency 902-928 MHz

Memory and Processing

Manufacturer/chip name Impinj/Monza*
Protocol/class EPC UHF Class 1, Gen 2
EPC Memory allocation 96 Bit Read/Write

Inlay Specifications

Antenna base material Conductive Silver (Ag)
Inlay substrate material and thickness Heat-treated PET, 2 mil
Total thickness over chip 10 mils [254 microns]

Roll Format/Finishing

Wind direction Out
Core size (inches [mm]) 3 [76.2]
Maximum roll outer diameter (inches [mm]) 16 [406.4]
Lot mark/Date mark Located inside core and on carton label.

Packaging

Roll in metalized mylar bag with desiccant, packed with corrugated board filler and core plug.

Environment

Operating temperature -40°F to +149°F
[-40°C to +65°C]
Storage temperature (recommended) -40°F to +185°F
[-40°C to +85°C]
Shelf life 2 year(s)
Humidity (recommended) 40% to 80% RH

Minimum Bend Radius

Roller diameter (inches [mm]) 1.75 [44.5]
PLI (lbs. per linear inch) 2
Wrap 180°

Quality Assurance

Read tested 100%
Quality audit 100% Tested with out-of-tolerance inlay marked

Compliance

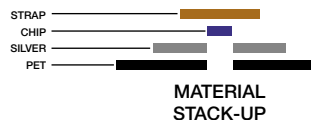
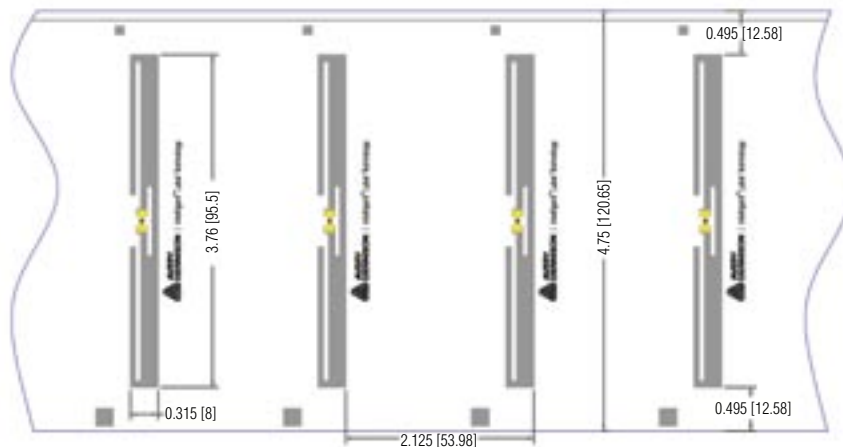
Countries of operation US compatible
EPC UHF Class 1

#600057

UNWIND DIRECTION →

Diagram dimensions (inches [mm])

Inlay On Web Tolerance +/- .0312 [.792]



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CARE AND HANDLING Inlays are sensitive to ESD. Observe standard practices to keep environmental static charge to a minimum.
*** IMPINJ ERRATA:** Current Monza™-based tags may not execute a KILL command or a LOCK command properly when issued in RF-conductive free space at a range greater than one meter. Correction will occur in the next silicon revision.

FITNESS FOR USE This Avery Dennison RFID product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the intended application. Customer is responsible for determining its fitness for any particular use.

WARRANTY This product is warranted pursuant to Avery Dennison RFID Standard Terms & Conditions of Sale. All other warranties, express or implied, are hereby disclaimed. We reserve the right to make changes to the product specifications without prior notice. These specifications do not constitute a representation or warranty.

UPDATES Data is subject to change. For the most recent version of this data sheet visit www.rfid.averydennison.com

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