AVERY DENNISON | RFID

AD-681m4D
AD-681m4QT
AD-681m4i
Application Notes

AVERY DENNISON
ELEVATE BRANDS
ACCELERATE PERFORMANCE

RFID Product Management
Avery Dennison | Miamisburg, OH USA
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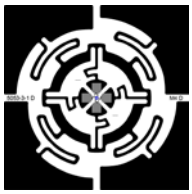
Avery Dennison® AD-681 Gen2 UHF RFID Inlay



AD-681 features a unique, dual-dipole antenna design, which provides orientation insensitivity and outstanding edge read performance for a wide variety of **UHF RFID** tagging applications. This inlay is available in three chip formats: **Monza® 4D, Monza® 4QT™, and Monza® 4i**

RECOMMENDED APPLICATIONS

Supply Chain Management

AD-681 features dual antenna technology. Optimized for case and pallet tracking, RFID tags equipped with AD-681 inlays can be successfully tracked through all processes of the supply chain to ensure the right goods are at the right place at the right time. The 1.97 x 1.97" (50 x 50mm) antenna provides high level performance in orientation-sensitive applications. With field-proven omnidirectional reads, AD681 is the solution you have been looking for to achieve your supply chain management goals.

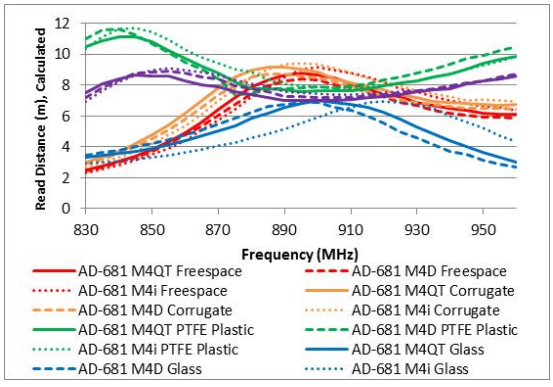
Asset Tracking

Businesses from a wide range of industries are increasingly turning to RFID as a more efficient and secure method of their tracking high valued assets. From manufacturing to healthcare to aviation and everything in between, RFID can dramatically improve your inventory management processes to ensure critical equipment and supplies are available when and where you need them. Whether it is machinery, tools, electronics, healthcare supplies or even documents, AD-681 is capable of providing the location of your assets quickly and efficiently.

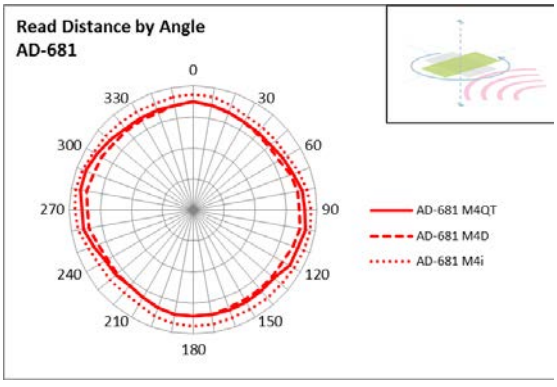
Package Tracking

Courier service providers and logistics firms from all over the world can greatly benefit from incorporating RFID into their fast-paced and often hectic business environment. With no line-of-sight requirement and the ability of RFID tags to be read while moving in any orientation from up to 15 feet away, AD-681 is the ideal tagging solution for package and shipment tracking applications. Impinj® Monza® 4D or Monza® 4QT™ chips, features 128 bits of EPC memory and up to 512 bits of user memory. Impinj® Monza® 4i is equipped with 256-bit EPC and 480 bits of user memory.

AD-681 delivers exceptional performance across a wide range of dielectrics



Tag Power Sensitivity

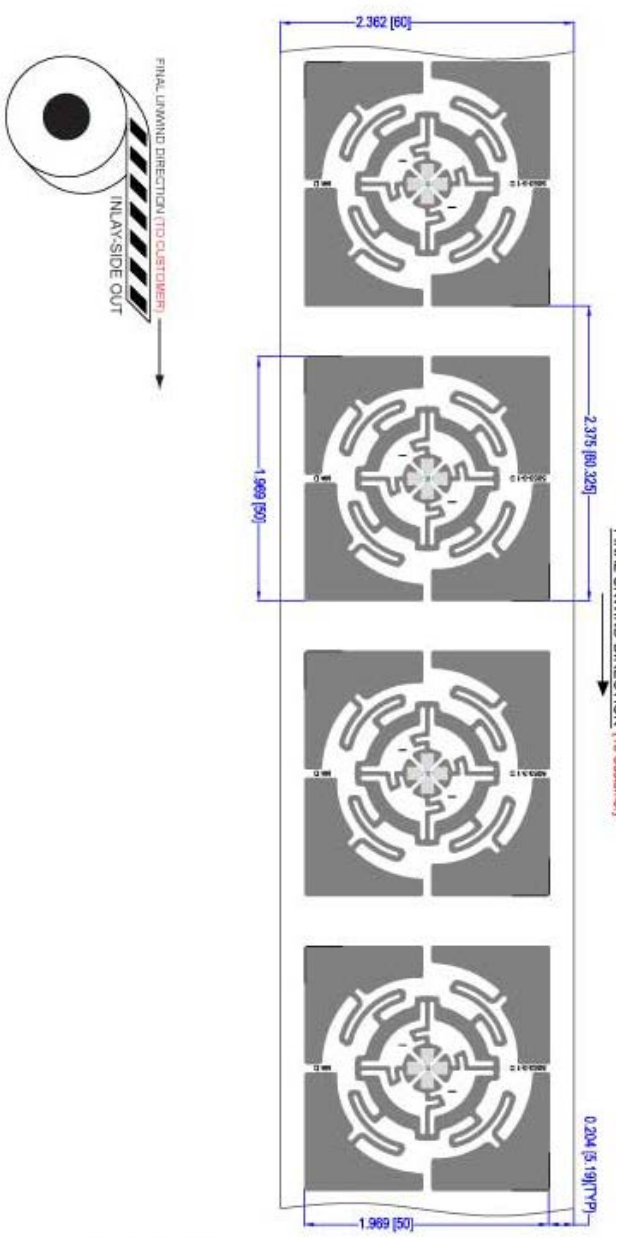


Tag Orientation Sensitivity

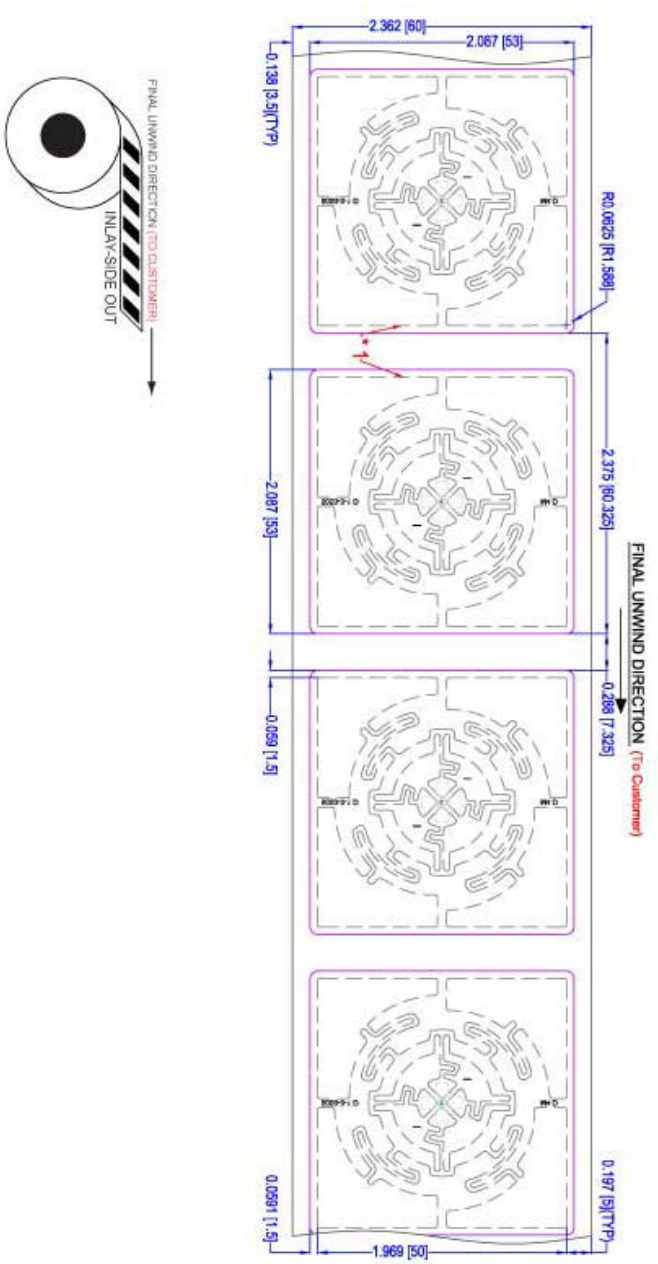
Terms and conditions relating to Avery Dennison testing results can be found at
http://rfid.averydennison.com/en/home/testing-services.html

Avery Dennison® AD-681 Gen2 UHF RFID Inlay

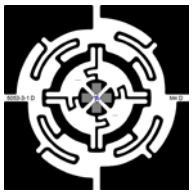
AD-681m4D - RF600912 Dry Inlay – Web 2.362”



AD-681m4D – RF600983 Wet Inlay – Web 2.362”



Avery Dennison® AD-681
Gen2 UHF RFID Inlay



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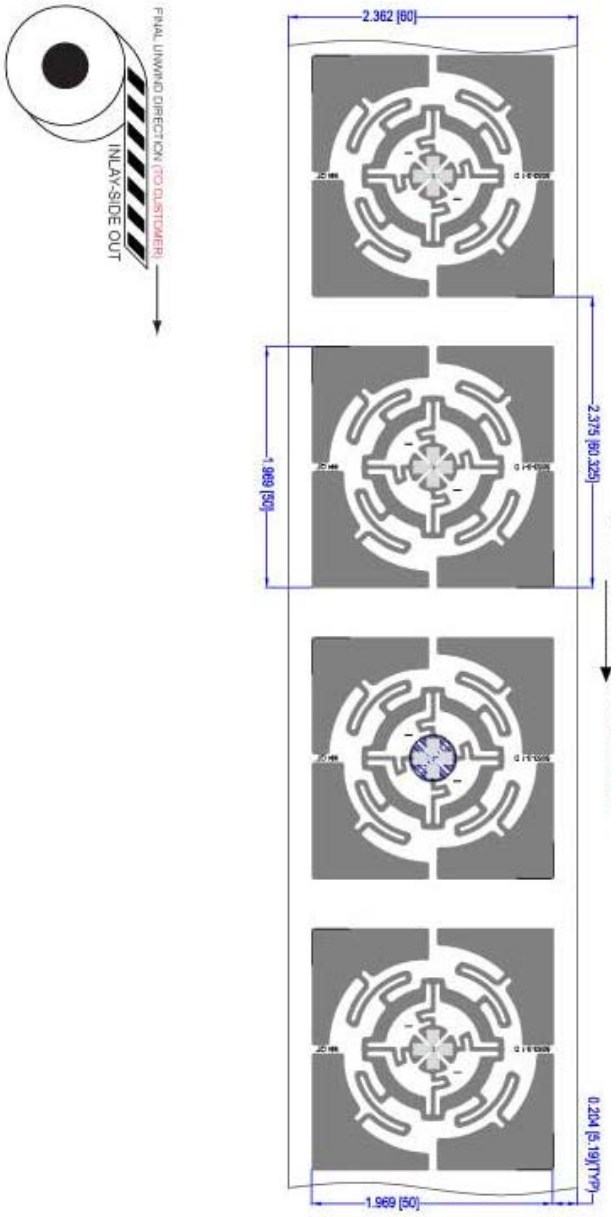

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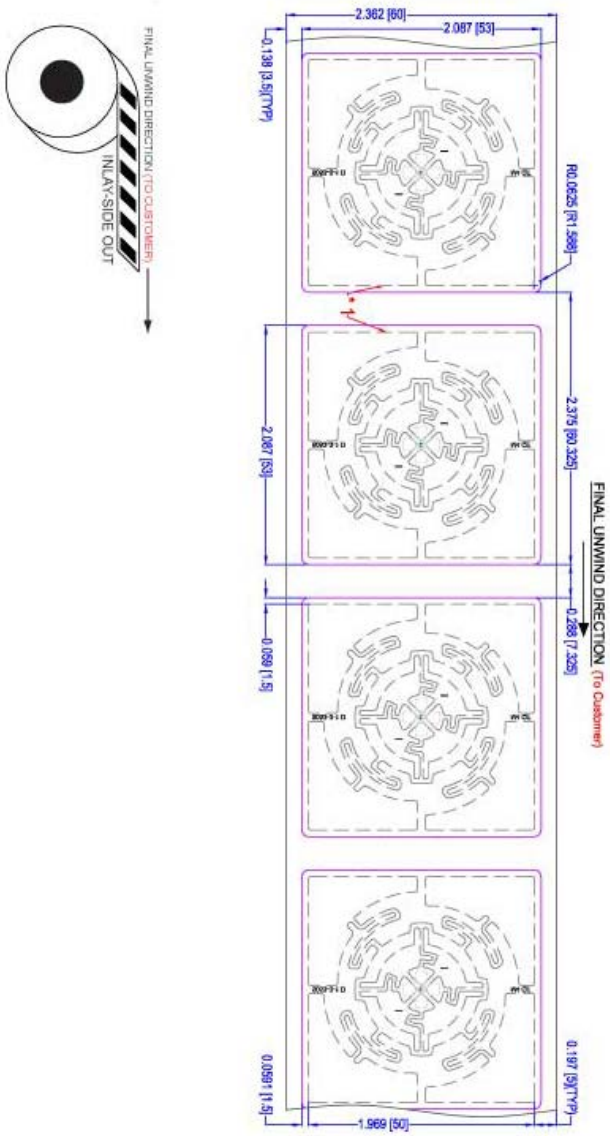
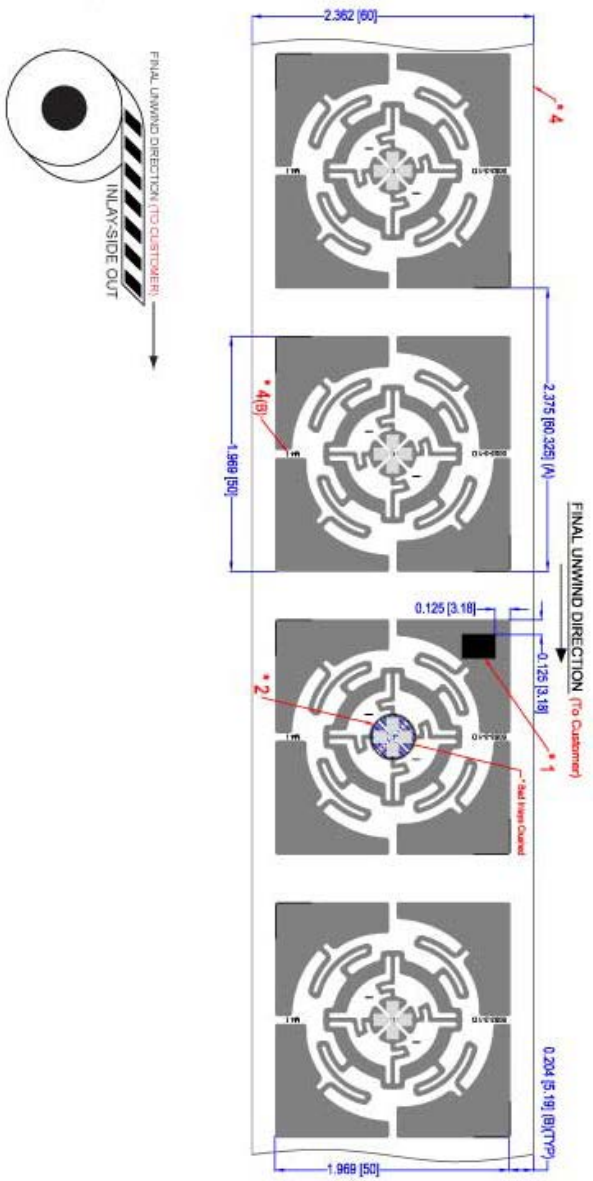


AD-681m4i – RF601065 Dry Inlay – Web 2.362”



AD-681m4i – RF601066 Wet Inlay 2.362”