

AD-810r6

AD-850m4QT

Application Notes

AVERY DENNISON
ELEVATE BRANDS
ACCELERATE PERFORMANCE

PRODUCT OVERVIEW

Counterfeit drugs, expired inventory, and product recalls are just a few obstacles pharmaceutical companies encounter on a day-to-day basis. From pharmacies to hospitals, RFID can help itemize and sort stock to ensure quality and prevent waste. The benefits go beyond return on investment as it has the potential to save lives. AD-810r6 and AD-850m4QT help to combat the ongoing challenges facing today's healthcare industry by providing a solution to hospitals, pharmacies and other medical providers who are looking for ways to better manage costs, increase efficiencies, and ensure the wellbeing of their patients.



AD-810r6

Carrying an 18mm diameter footprint, AD-810r6 is a great fit for tagging glass vials and other small to medium sized medical packages. The globally tuned inlay can achieve up to 1.7 meter read distance when applied to liquid-filled glass or plastic bottles. The 16mm, round antenna is cleanly cut onto an opaque white PET carrier and is equipped with the Impinj Monza® R6 integrated circuit (IC); a chip which provides 96-bit EPC memory and features AutoTune™ RF tuning. Due to its excellent performance on glass and plastic materials, AD-810r6 could also be considered for select beauty applications, such as cosmetics or perfume.

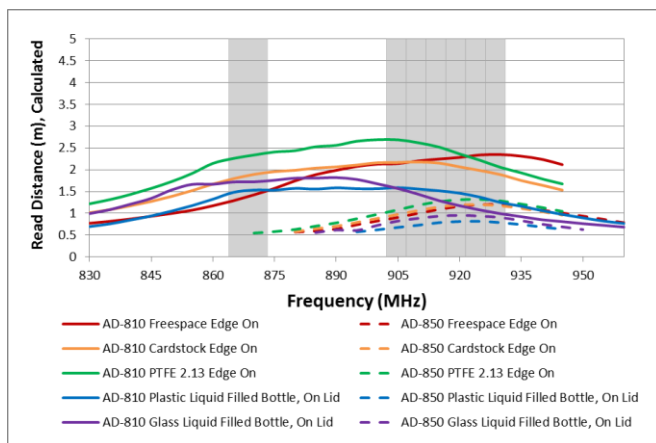


AD-850m4D

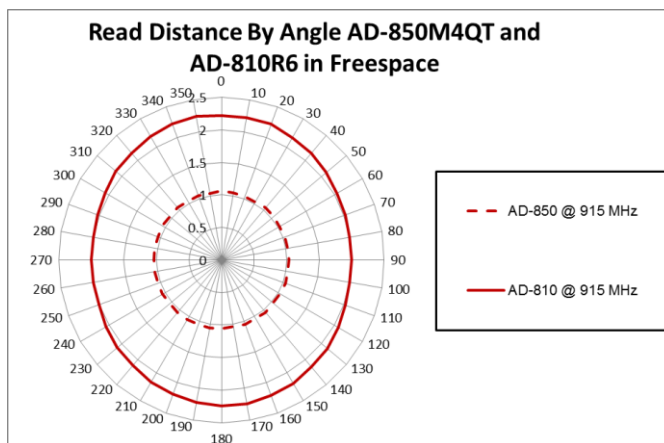
If your application requires a smaller form factor, AD-850m4QT is another design option to consider. The simple, circular loop design featuring the Impinj Monza® 4QT IC can achieve up to 1 meter read distance in FCC (920-928 MHz) when applied to liquid filled vials made of plastic or glass. The antenna size of AD-850m4QT is the smallest size offered in our Gen2 RAIN compliant UHF inlay portfolio, measuring 10.3mm in diameter as is recommended for reading tagged items in near-field. The Impinj Monza 4QT chip enables users to maintain a public and private data profile for confidential data storage and consumer privacy, coupled with a large, 512-bit user memory.



AD-810 and AD-850 deliver excellent performance when reading in near-field



Tag Power Sensitivity

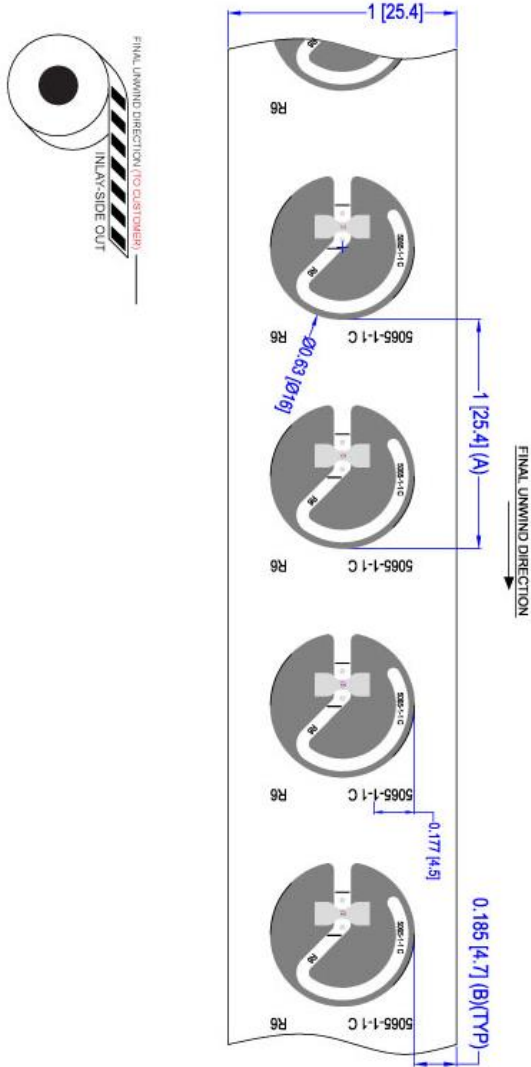


Tag Orientation Sensitivity

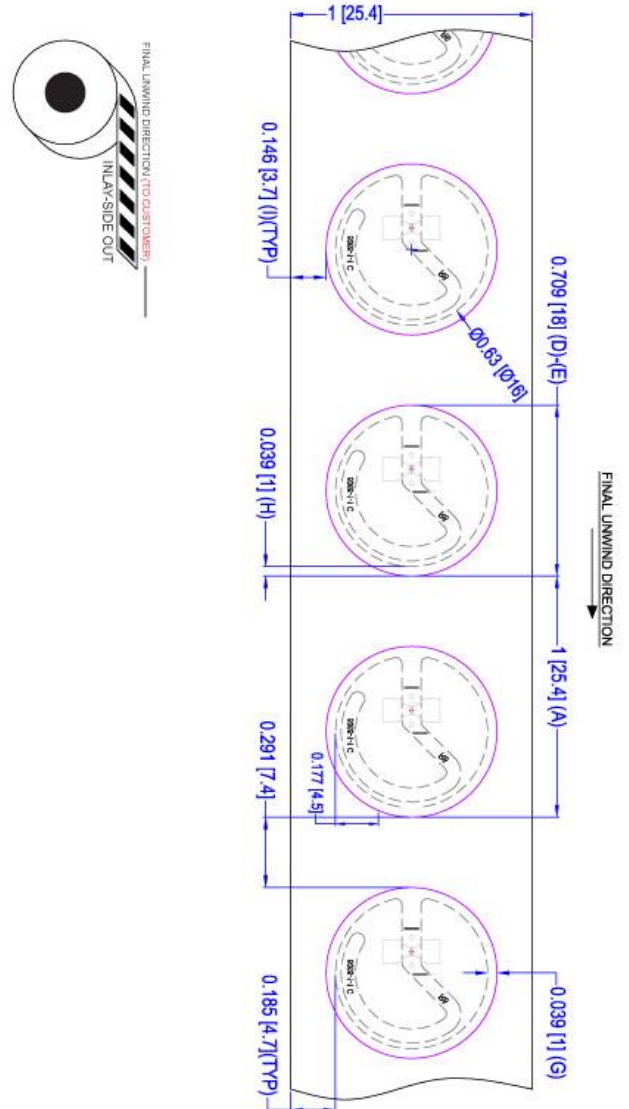
Terms and conditions relating to Avery Dennison testing results can be found at <http://rfid.averydennison.com/en/home/testing-services.html>

Avery Dennison® AD-810r6 and AD-850m4QT Gen2 UHF RFID Inlays

AD-810r6 – RF600967 Dry Inlay – Web 1.0" [OPAQUE PET]

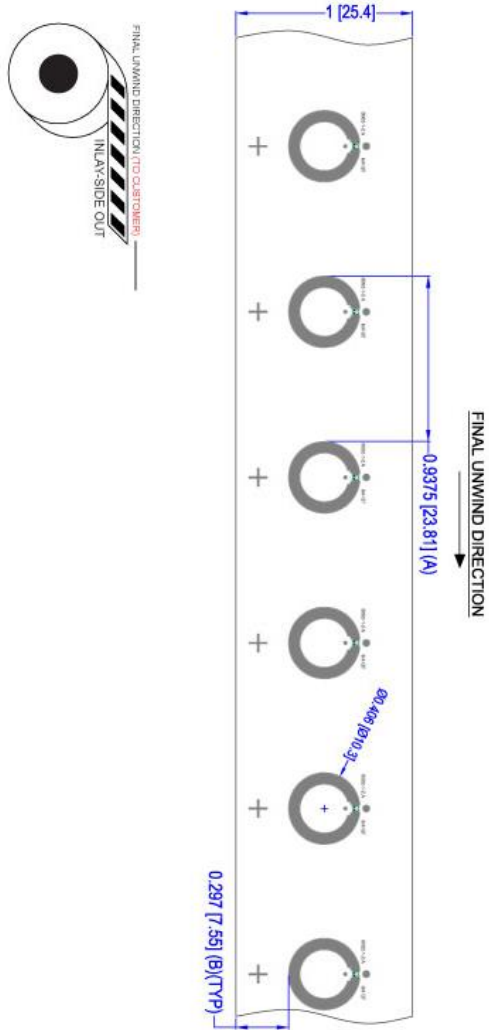


AD-810r6 – RF601144 Wet Inlay – Web 1.0" [OPAQUE PET]



Avery Dennison® AD-810r6 and AD-850m4QT Gen2 UHF RFID Inlays

AD-850m4QT – RF601090 Dry Inlay – Web 1.0”



AD-850m4QT – RF601091 Label – Web 1.0”

