

Real-World™ RFID

Powered by Avery Dennison

What are the RF challenges in your real-world? RF-unfriendly materials? Busy or harsh environments? Tag proximity? At Avery Dennison RFID, we understand that RFID means different things to different people. That's why our Gen 2 inlays are designed to perform in a broad range of applications - including the one in your world.

Don't see what you need or want more information? Call or visit us online at www.rfid.averydennison.com.



Product	Drawing	Frequency Range	Antenna Dimensions CD x MD	Features
AD-222		Global	3.741 in x 0.302 in 95.01 mm x 7.68 mm	General-purpose inlay for use in a wide variety of applications
AD-224		Global	3.74 in x 0.292 in 95.0 mm x 7.41 mm	Increased read ranges and higher read rates, 240 bit EPC memory - available with additional 512 bits of user memory
AD-431		Global	3.764 in x 0.919 in 95.6 mm x 23.35 mm	Provides improved performance across a wide variety of carton contents
AD-631		Global	1.968 in x 2.736 in 50 mm x 69.5 mm	Orientation-insensitive inlay produces reliable reads from any direction - ideal size and performance for pallet applications
AD-812 AD-811		FCC ETSI	1.004 in x 1.004 in 25.5 mm x 25.5 mm	Item-level inlay designed for best edge-on performance, especially when on products arrayed in close proximity
AD-820 AD-821		FCC ETSI	2.835 in x 1.181 in 72 mm x 30 mm	Offers far-field performance on RF friendly materials & metals in a compact form-factor, built for rugged application survival
AD-824		ETSI	1.181 in x 1.968 in 29.99 mm x 50 mm	Breakthrough antenna design enables more reliable read/write functions in item level applications where tags may be stacked with millimeters of each other
AD-840	 <small>Drawing above is shown machine direction x cross direction</small>	Global	1.496 in x 3.701 in 38 mm x 94 mm	Powerful read performance with best in class reading capability for RF friendly contents at FCC frequencies, 240 bit EPC memory - available with additional 512 bits of user memory
AD-900		FCC	Durable Tag 7.496 in x 1.102 in x 0.158 in 190.4 mm x 28 mm x 4.013 mm	Durable, impact-resistant PVC-encased tag tuned for direct adhesion to metallic surfaces.
AD-908		Global	Durable Tag 5.058 in x 1.02 in x 0.525 in 128.46 mm x 25.91 mm x 13.34 mm	Passive RFID tag enclosed in an impact resistant case for use in high durability, outdoor and reusable applications

Drawings not to scale

This chart is only intended as a suggestive guide for preliminary inlay selection. The information contained herein is believed to be reliable but Avery Dennison makes no representations concerning the accuracy or correctness of the data. This product, like any other, should be tested by the

customer/user thoroughly under end use conditions to ensure the product meets the particular requirements.

FCC = 902-928 MHz, ETSI = 865-868 MHz, Global = 860-960 MHz

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