AD-662 UCODE DNA

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE DNA

Antenna Dimensions
90 x 19 mm / 3.54 x 0.75 in

International Standard
ISO/IEC 18000-63 Type C

Industry Segments
Industrial Applications
Sports and Events

Applications
Sports Timing
Asset Tracking
Inventory

RoHS
EU Directive 2011/65/EU and 2015/863 Compliant

Tracking capabilities combined with extra-large user memory

AD-662uDNA inlay from Avery Dennison is a high performing Gen2 UHF RFID design with an extra-large user memory of 3 k-bit and exceptional performance across a wide range of dielectrics.

The inlay is suitable for a wide variety of RFID tagging applications, particularly those related to glass, automotive and industrial asset tracking, and race timing.

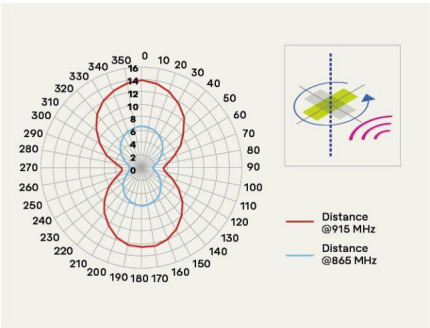
AD-662uDNA is equipped with the UCODE DNA chip that comes with 224-bit of EPC memory, exceptional 3 K-bits of user memory, and 96-bit of serialized TID with with 96-bit of TID and 48-bit unique serial number. The product is available in Dry Inlay and Wet Inlay delivery formats.

Like all RFID products from Avery Dennison, AD-662uDNA inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

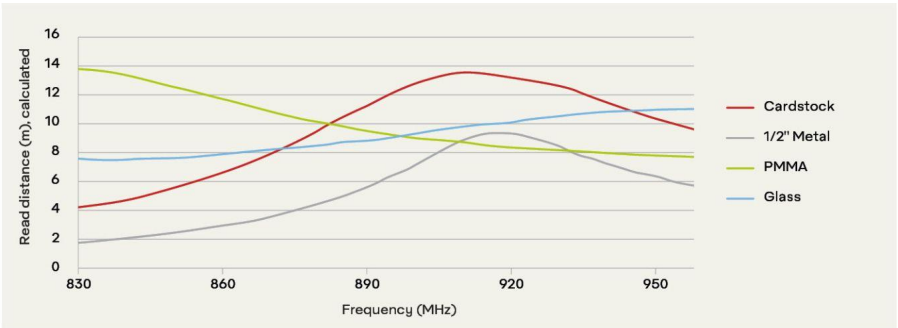
Technical features

Chip	NXP UCODE DNA	
EPC and User Memory	224-bit and 3K-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF600923 / IL-607041	RF600870 / IL-607493
Delivery Format	Dry inlay	Wet inlay
Die-Cut Dimension	–	93 x 22 mm / 3.67 x 0.87 in
Inlay Substrate	Opaque PET	
Total Thickness	10 - 13 mils / 254 - 330 microns	11 - 13 mils / 279 - 330 microns
Standard Pitch	31.75 mm / 1.25 in	
Web Width	98 mm / 3.875 in	
Core Size	76 mm / 3 in	
Quantity / Reel	20000 pcs/reel	10000 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	
On-Metal	Non metal	

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

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