AD-665u8

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 8

Antenna Dimensions
90 x 19 mm / 3.54 x 0.75 in

International Standard
ISO/IEC 18000-63 Type C

Industry Segments
Automotive
Industrial Applications
Sports and Events

Applications
Sports Timing
Asset Tracking
Inventory

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

Superior performance on high dielectric materials

AD-665u8 inlays from Avery Dennison are Gen2 UHF RFID products that perform exceptionally well in a wide array of applications and across a broad range of dielectrics.

The product is suitable for a wide variety of RFID tagging applications, particularly those related to Automotive and Industrial Asset Tracking, Race Timing, and Personal ID Badges. AD-665u8 is an excellent choice for tagging glass windshields, where it can achieve read distances of over 10 meters with a fixed or handheld reader.

AD-665u8 is equipped with the NXP UCODE 8 chip that comes with 128-bit of EPC memory, and 96-bit of serialized TID with a 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-665u8 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 8	
EPC and User Memory	128-bit and n/a	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF601207	RF601209
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	11 - 13 mils / 270 - 320 microns	11 - 13 mils / 277 - 327 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
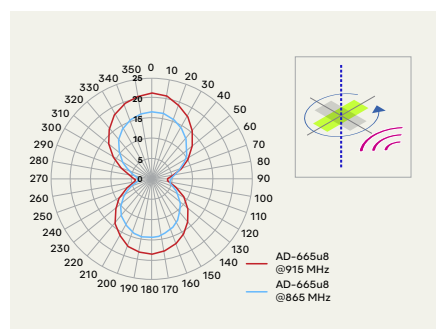
Read range
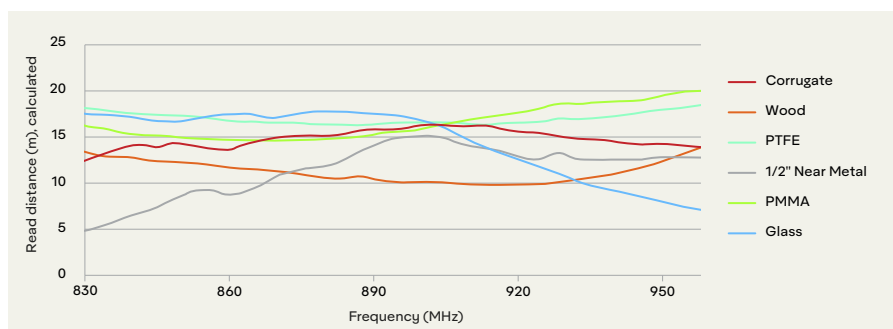
All graphs are indicative: performance in real life applications may vary.

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