AD-663u7XM

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 7XM

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

High performance and large user memory for tracking applications

AD-663u7XM and AD-663u7XM+ inlays from Avery Dennison are Gen2 UHF RFID products that perform exceptionally well across a wide range of dielectrics and are available in two chip formats: NXP UCODE 7xm and NXP UCODE 7xm+.

Both products are suitable for a wide variety of RFID tagging applications, particularly those related to glass, automotive and industrial asset tracking, and race timing.

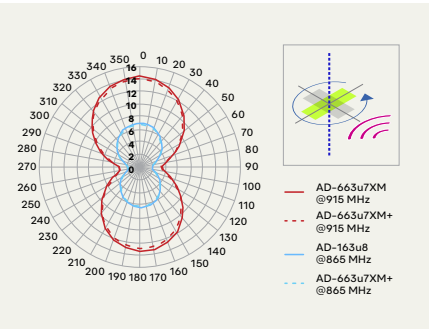
AD-663u7XM is equipped with the UCODE 7XM chip from NXP while AD-663u7XM+ comes with a UCODE 7XM+, with both ICs sharing 448-bit of EPC memory, 2 K-bit of user memory, and 96-bit of serialized TID with a 48-bit unique serial number. AD-663u7XM and AD-663u7XM+ are available in Dry Inlay and Wet Inlay delivery formats.

Like all RFID products from Avery Dennison, AD-663u7XM and AD-663u7XM+ 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.

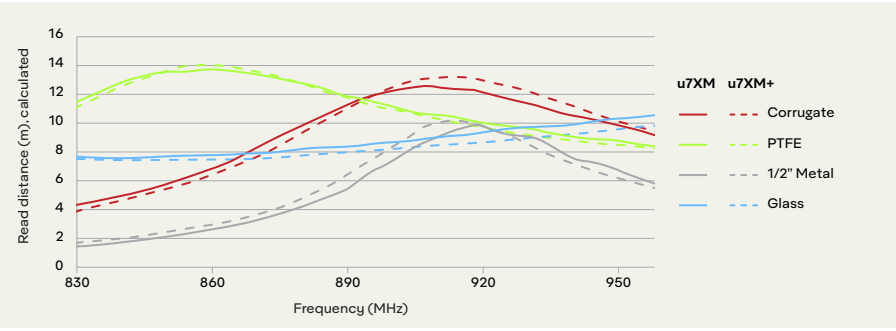
Technical features

Chip	NXP UCODE 7XM	
EPC and User Memory	448-bit and 2K-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF600931	RF600932
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 - 14 mils / 280 - 355 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.

Contact information
rfid.averydennison.com/contact
North America: +1-866-903-7343 (toll free US)
International: +1-678-617-2359

RoHS

Warranty: Please refer to Avery Dennison standard terms and conditions: **rfid.averydennison.com/termsandconditions**

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

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AD-663u7XM+

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 7XM+

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

High performance and large user memory for tracking applications

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Both products are suitable for a wide variety of RFID tagging applications, particularly those related to glass, automotive and industrial asset tracking, and race timing.

AD-663u7XM is equipped with a UCODE 7XM chip from NXP while AD-663u7XM+ comes with a UCODE 7XM+, with both ICs sharing 448-bit of EPC memory, 2-K-bit of user memory, and 96-bit of serialized TID with a 48-bit unique serial number. AD-663u7XM and AD-663u7XM+ are available in Dry Inlay and Wet Inlay delivery formats.

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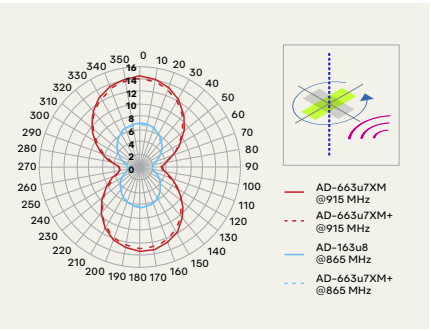
Technical features

Chip	NXP UCODE 7XM+	
EPC and User Memory	448-bit and 2K-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF600917	RF600855
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 - 14 mils / 280 - 355 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



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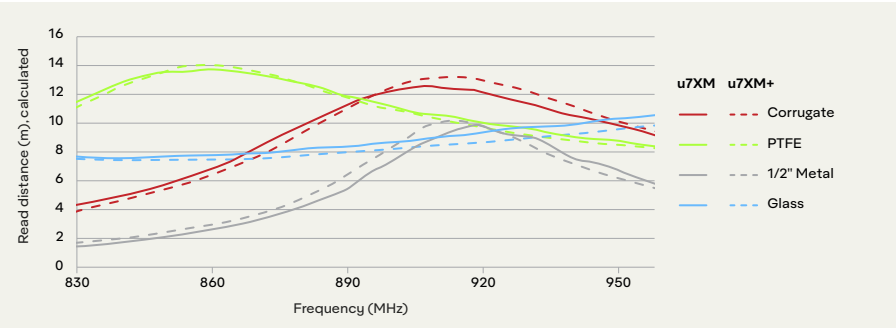

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