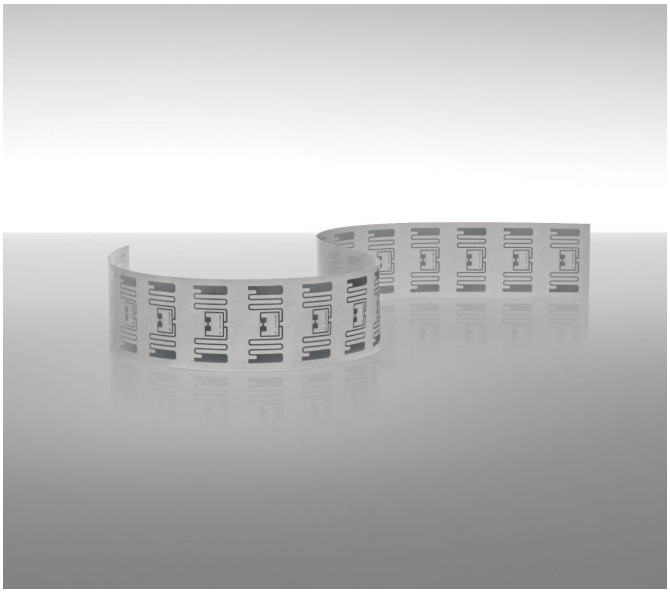
AD Sonic UX (strap format)



Configurable EPC Memory and Maximum Performance in a Compact Size

Designed to enhance supply chain, logistics, and inventory management in apparel and general retail, AD Sonic UX (strap format) inlays provide outstanding global performance. Featuring a compact 44 x 20 mm (1.73 x 0.79 in.) antenna, the design integrates seamlessly into hang tags, tickets, and custom media. Driven by next-generation NXP IC technology, they offer adaptable memory allocation to meet diverse operational needs.

AD Sonic UX (strap format) inlays feature up to 208-bits of EPC memory, up to 32-bit of user memory and a 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory-encoded into the TID. They are available in RIF dry and pressure sensitive label formats.

Like all RFID products from Avery Dennison, AD Sonic UX (strap format) 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.

Overview

Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	NXP UCODE X / Strap Attach
Antenna Dimensions	44 x 20 mm / 1.732 x 0.787 in
International Standard	ISO/IEC 18000-63 Type C
Industry Segments	Apparel General Retail
Applications	Inventory and Logistics Supply Chain Management Home Essentials
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

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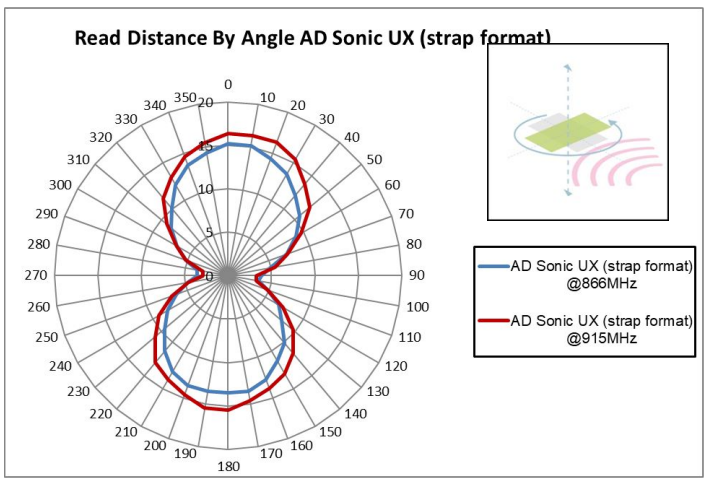
Technical features

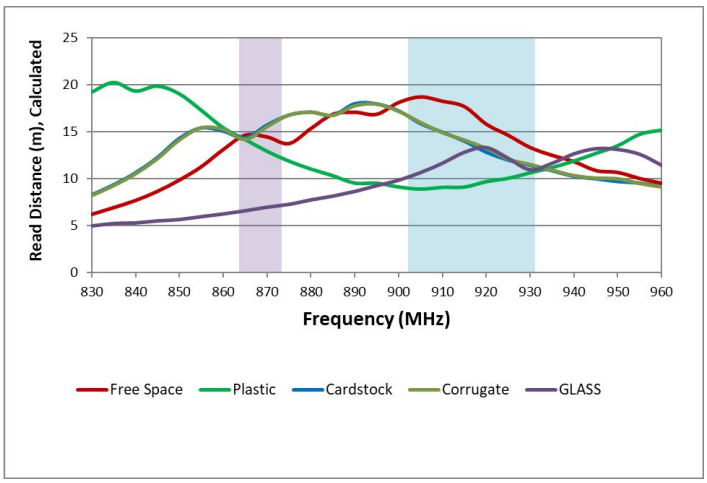
Chip / Chip Attachment Technology	NXP UCODE X / Strap Attach	
EPC and User Memory	Up to 208-bit EPC and up to 32-bit User Memory *Default configuration is 128-bit EPC for the SKUs listed below	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	IL-615274	IL-615273
Delivery Format	RIF Dry inlay	Label
Die-Cut Dimensions	-	46 x 22 mm / 1.81 x 0.87 in
Die-Cut Corner Radius	-	1 mm / 0.039 in
Inlay Substrate	40# Paper	40# Paper
Top Layer Group	TMBL-100061	TMBL-100117
Top Layer Description	PET Clear	Paper 3PT Matte FSC
Adhesive Group	-	ADH-100005
Functional Adhesive Description	-	Water borne acrylic PSA. Good adhesion to all generally used substrates such as paper, board and plastics
Standard Pitch	31.75 mm / 1.25 in	31.75 mm / 1.25 in
Web Width	52 mm / 2.05 in	52 mm / 2.05 in
Core Size	76 mm / 3 in	76 mm / 3 in
Size of Roll	MAX OD: 15”	MAX OD: 8”
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	
On-Metal	Non metal	
ARC Certificates	ARC Specification Guide	

*Other product codes available upon request.

Orientation sensitivity



Read range



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

Sustainability features

Strap Technology	Our patented strap technology replaces traditional etched antenna manufacturing, reducing the carbon footprint by 70-90% (Verified by SpheraTM LCA with EPD - according to ISO 14020). Available on paper and/or polyester.



Strap Technology

For more information, please visit the Avery Dennison sustainability page.

Find more label solutions at
rfid.averydennison.com

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