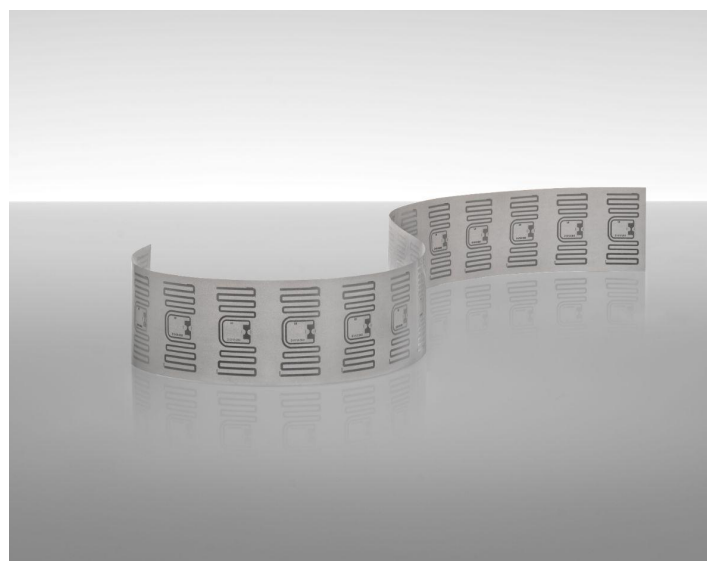


AD Sonic U9 FCC (strap format)



Compact, High-Performing, and Optimized for Retail

AD Sonic U9 FCC (strap format) RFID inlays are optimized for small item-level applications and designed as a compact, and high performing solution for apparel and retail applications. With its compact 44 x 20 mm antenna, the AD Sonic U9 FCC (strap format) is the go-to inlay when you need top-tier performance in a small form factor.

AD Sonic U9 FCC (strap format) is equipped with NXP UCODE 9 chip, featuring 96 bits of EPC memory and a 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory-encoded into the TID.

Like all RFID products from Avery Dennison, AD Sonic U9 FCC (strap format) inlays are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment. The RFID Lab at Auburn University has awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

Overview

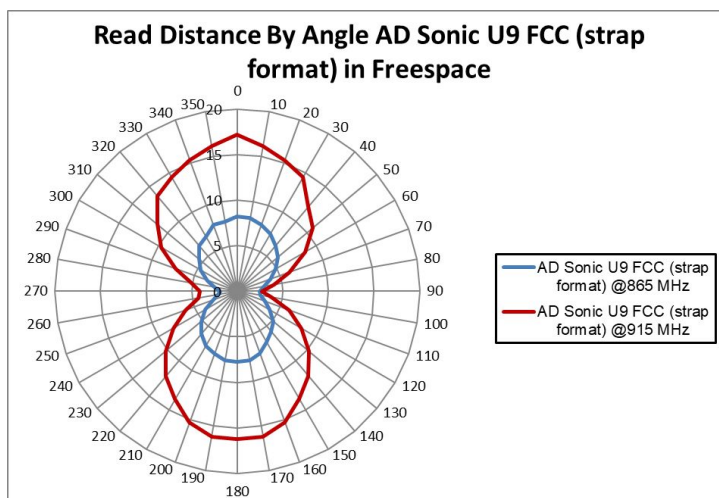
Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	NXP UCODE 9 / Strap Attach
Antenna Dimensions	44 x 20 mm / 1.73 x 0.79 in
International Standard	ISO 18000-63, EPC Class 1 Gen 2
Industry Segments	Apparel General Retail
Applications	Brand Protection Supply Chain Management Inventory and Logistics
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

Technical features - Strap Attach (SA)

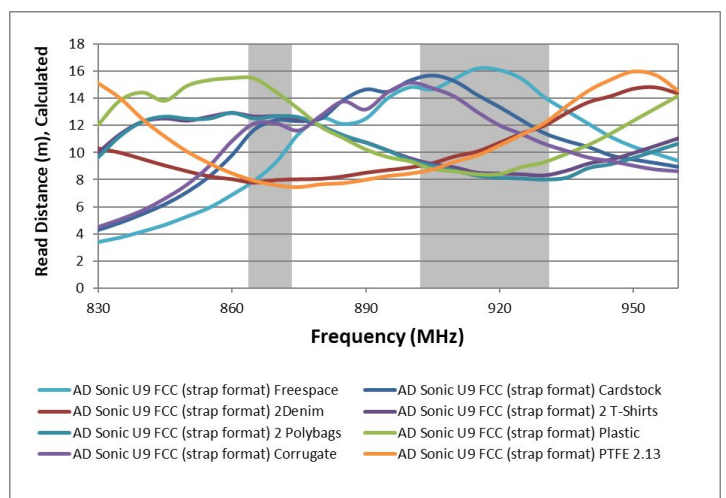
Chip / Chip Attachment Technology	NXP UCODE 9 / Strap Attach			
EPC and User Memory	96-bit EPC and 0-bit User Memory			
TID Memory	96-bit / 48-bit unique serial number			
Product Code	IL-613824	IL-613829	IL-615022	IL-613831
Delivery Format	RIF Dry inlay	Wet inlay	Wet inlay	Label
Die-Cut Dimensions	-	46 x 22 mm / 1.81 x 0.87 in	46 x 22 mm / 1.81 x 0.87 in	46 x 22 mm / 1.81 x 0.87 in
Die-Cut Corner Radius	-	1 mm / 0.039 in	1 mm / 0.039 in	1 mm / 0.039 in
Inlay Substrate	40# Paper	40# Paper	40# Paper	40# Paper
Top Layer Group	TMBL-100061	-	-	TMBL-100117
Top Layer Description	PET Clear	-	-	Paper 3PT Matte FSC
Adhesive Group	-	ADH-100005	ADH-100040	ADH-100005
Functional Adhesive Description	-	General purpose permanent, acrylic based adhesive. Good adhesion to all generally used substrates such as paper, board and plastics	General purpose permanent, hot melt adhesive. Excellent initial tack and ultimate bond on a wide variety substrates	General purpose permanent, acrylic based adhesive. Good adhesion to all generally used substrates such as paper, board and plastics
Total Thickness (over chip and release liner)	8.90 - 10.90 mils / 226 - 276 microns	9.96 - 12.17 mils / 253 - 309 microns	10.43 - 12.72 mils / 265 - 323 microns	12.68 - 15.51 mils / 322 - 394 microns
Standard Pitch	31.75 mm / 1.25 in	31.75 mm / 1.25 in	31.75 mm / 1.25 in	31.75 mm / 1.25 in
Web Width	52 mm / 2.05 in	52 mm / 2.05 in	52 mm / 2.05 in	52 mm / 2.05 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	11,500 pcs/reel	10,000 pcs/reel	10,000 pcs/reel	4,000 pcs/reel
Size of Roll	MAX OD: 15.5"	MAX OD: 13"	MAX OD: 12"	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.

Find more label solutions at
rfid.averydennison.com



#MakingPossible

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