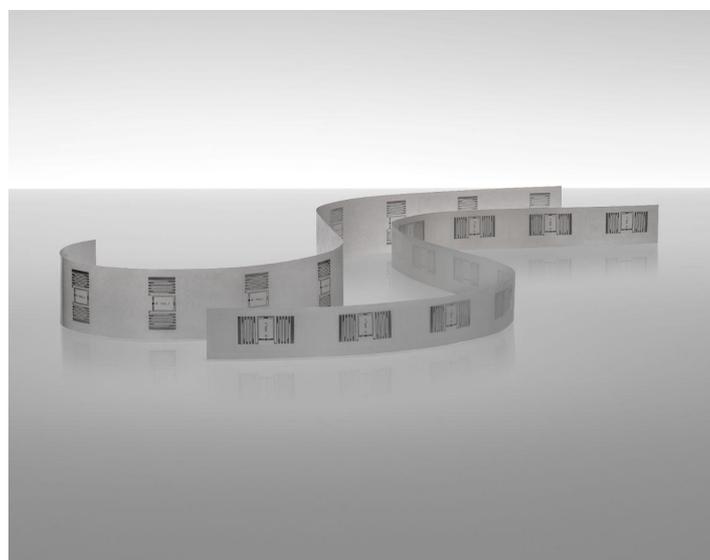


# AD Accessory U9 Steri



## Autoclave & EtO-resistant RFID for small item-level tagging

AD Accessory U9 Steri is an optimized solution for healthcare built to survive sterilization while maintaining its excellent performance and superior close-coupling features after exposure to Autoclave and EtO (ethylene oxide).

The product has been evaluated for compatibility with common sterilization methods used in medical and healthcare applications. The following sterilization techniques were tested under standard, validated conditions:

- **Autoclave (Steam Sterilization)**  
Tested using saturated steam at 121°C under controlled pressure and exposure time representative of typical medical sterilization cycles.
- **Ethylene Oxide (EtO) Sterilization**  
Assessed under standard EtO sterilization parameters, including controlled temperature, gas concentration, humidity, and aeration conditions.

Quality & Environmental Compliance: Compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management.

### Overview

Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	NXP UCODE 9 / Direct Chip Attach
Antenna Dimensions	15 x 30 mm / 0.60 x 1.20 in (NEL) 30 x 15 mm / 1.20 x 0.60 in (WEL)
International Standard	ISO 18000-63, EPC Class 1 Gen 2
Industry Segments	Healthcare
Applications	Item Level Inventory Accuracy Brand Protection
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

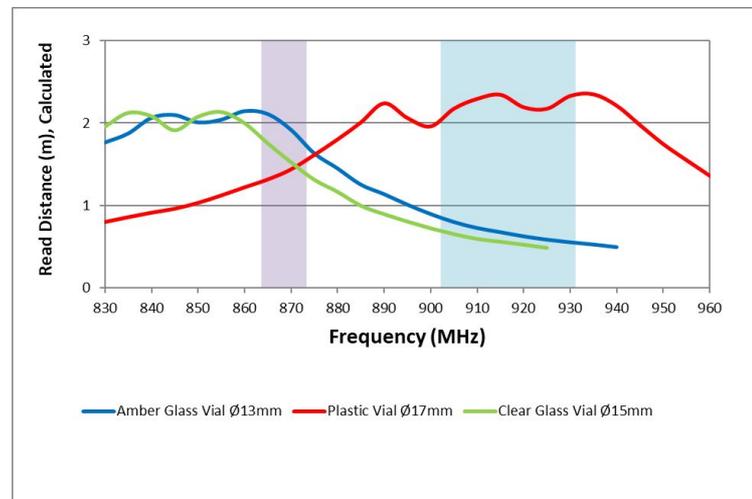
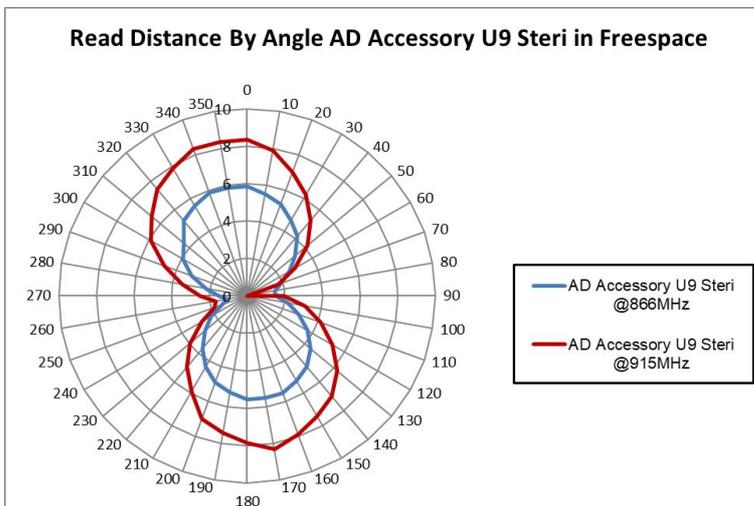
**Technical features**

Chip / Chip Attachment Technology	NXP UCODE 9 / Direct Chip Attach	
EPC and User Memory	96-bit and n/a	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	IL-614575 (NEL)	IL-614576 (WEL)
Delivery Format	Label / sticker	Label / sticker
Die-Cut Dimensions	20.5 x 51.1 mm / 0.8 x 2.0 in	33.0 x 51.1 mm / 1.3 x 2.0 in
Die-Cut Corner Radius	3 mm / 0.11 in	3 mm / 0.11 in
Inlay Substrate	PET	PET
Face Sheet	Clear PET	Clear PET
Adhesive	Acrylic adhesive PSA	Acrylic adhesive PSA
Total Thickness (over chip and release liner)	9.84 mils / 250 microns	9.84 mils / 250 microns
Standard Pitch	54.1 mm / 2.1 in	54.1 mm / 2.1 in
Web Width	27.5 mm / 1.08 in	40 mm / 1.58 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	3,000 pcs/reel	3,000 pcs/reel
Size of Roll	Max OD 8"	Max OD 8"
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	
On-Metal	Non metal	
ARC Certificates	NA	

\*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](https://rfid.averydennison.com)



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