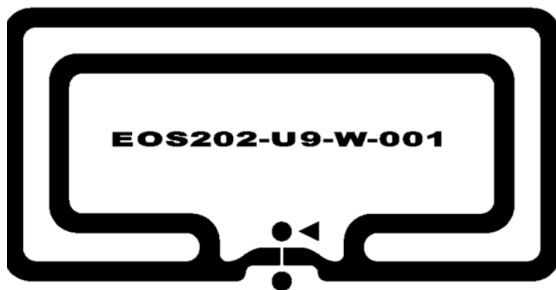


# Tageos EOS-202 U9 RFID Inlay

## Specialty Zebra-Certified RFID inlay

RFID inlays are critical to achieve the real-time visibility needed to streamline operations, minimize errors in asset-related data, as well as track, identify and maximize asset utilization. Zebra Certified Inlays deliver excellent performance, so you can rest assured that they will efficiently and effectively encode and read, leading to a higher application ROI, and best in-class user experience. This specialty Tageos EOS-202 U9 inlay is designed for item level pharmaceutical tracking applications requiring an extra-small form factor. This inlay has designed to work well on small glass vials and plastic/COC syringes with curved surfaces. Tested for optimal performance with Zebra printers and RFID readers, the Tageos EOS-202 U9 inlay enables you to maximize the benefits of RFID for the identification small items.



### Small inlay designed for small glass vials

The Tageos EOS-202 U9 is a sophisticated extra-small inlay. Only 20 x 10mm in size it boasts read ranges of up to 4m, making it a great option for pharmaceutical item tracking. This inlay meets ARC Spec S for Dose ID labeling applications.

### Zebra Certified for consistently exceptional performance

Zebra Certified Inlays have been pre-tested to ensure industry-leading performance and low instance of printer voids. Read range performance has been characterized on multiple surface types using industry standard Voyantic Tagformance test equipment. They feature the best-performing chips to support a variety of application

requirements. The inlay position has been tested in Zebra industrial, desktop and mobile printers to ensure reliable encoding. Zebra is ISO 9001 certified and uses quality processes to reduce instances of unsuccessful encoding. And, we use consistent thermal material from order-to-order to safeguard print consistency and quality.

### Unmatched expertise in RFID

Zebra is your trusted expert in all things RFID. We offer end-to-end RFID solutions – including pre-tested RFID supplies made with the right materials and adhesives, along with the highest-performing inlays and chips – customized for your application. We have played a central role in pioneering RFID technologies and defining global standards since the mid-1990's, when smart-label technology first appeared. We were recognized as the #1 RFID brand by the 2018 RFID Journal's Brand Report. And we hold more than 575 RFID patents and numerous industry firsts in RFID.

### Zebra ZipShip — on the shelf and ready to ship

Need an RFID solution in a hurry? This inlay is in-stock and ready for immediate dispatch as part of our ZipShip program. You get fast shipment and minimum order is just one box.

**Enable tracking of your pharmaceuticals with the Tageos EOS-202.**  
For more information, please visit [www.zebra.com/rfidlabels](http://www.zebra.com/rfidlabels)

# Specifications

## Technical Information

Chip	UCODE 9
EPC Memory	96 bit
User Memory	N/A
TID	96 bit factory locked (48 bit unique)
Read Sensitivity	-24dBm
Write Sensitivity	-22dBm
RFID Standards	ePC Gen2v2
Read Range	Up to 20m - frequency and substrate dependent

### Theoretical Read Range: ETSI (865-868 MHz)<sup>1</sup>

Air	0.1 m
Cardboard	0.2 m
Fiberglass	0.3m
Glass	1.7 m
PTFE	0.2 m
Polyacetyl	0.2 m
PVC	0.2 m
Rubber	1.7 m

### Theoretical Read Range: FCC (902 -928MHz)<sup>1</sup>

Air	0.1 m
Cardboard	0.4 m
Fiberglass	1.7 m
Glass	3.9 m
PTFE	0.7 m
Polyacetyl	1.0 m
PVC	1.0 m
Rubber	3.9 m

## Product Performance and Suitability

Operating Temperature	-40 to 185°F (-40 to 85°C)
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## Testing and Compliance

All inlays certified by Zebra have been pre-tested with Zebra printers and readers.

## Material Testing in End Application

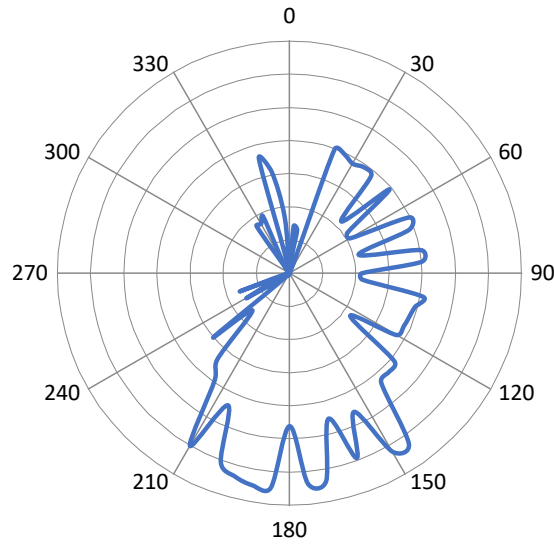
The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

## Footnotes

<sup>1</sup>Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.

## Radiation Pattern

\*\*Read range drops to 12% of maximum when inlay is perpendicular (90° and 270°) to the reading antenna. To learn more about radiation pattern, visit [zebra.com/rfidlabels](http://zebra.com/rfidlabels)



## Markets and Applications

### Retail

- Item level cosmetics

### Healthcare

- Item level Pharma tracking



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