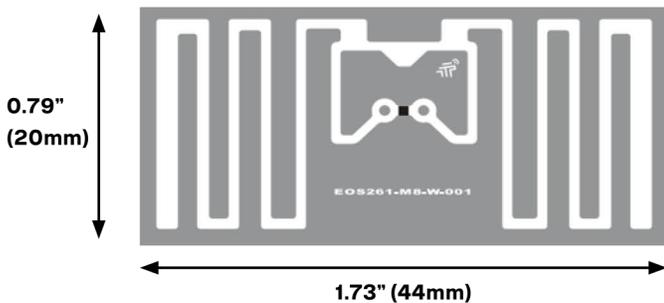




Tageos EOS-261 M830 RFID Inlay

General Purpose, Zebra-Certified RFID Inlay

Unlock new levels of efficiency and accuracy with the Tageos EOS-261 M830 RFID inlay, specifically engineered for the rigorous demands of modern supply chain, inventory, and asset management. Powered by the cutting-edge Impinj M830 chip, this inlay offers a significant leap in performance, delivering exceptional reliability where it matters most. Experience the benefits of a superior read range, faster processing speeds, and pinpoint accuracy, all designed to ensure seamless integration and optimized performance across your diverse operational environments.



High-performance RFID Inlay

The EOS-261 Inlay features the advanced Impinj M830 IC, with Gen2X capabilities which improve reliability and efficiency in complex deployments. Engineered for high-speed performance in demanding environments. This advanced inlay design enables quicker, more frequent inventory counts and accelerates data processing, allowing your business to maintain real-time stock accuracy with minimal operational downtime. For industries such as retail, this translates directly into a competitive advantage by ensuring products are always available, which boosts customer satisfaction and drives sales.

Assured Performance

Zebra employs ISO 9001 quality processes to reduce instances of unsuccessful encoding. We pre-test labels with Zebra readers and printers to ensure industry-leading performance. And we offer the latest generation of chips and consistent label materials from order to order to deliver always reliable, high-quality RFID labels and tags every time.

Enhanced Read Range and Sensitivity

The EOS-261 M830 RFID inlay incorporates advanced antenna design and superior chip technology, resulting in exceptional read range and sensitivity. This ensures that data is captured accurately and consistently, even in environments with dense tag populations or where tags are placed on challenging materials. This high level of performance minimizes missed reads and increases the reliability of your inventory data.

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.

RFID Specifications

Product Name	Tageos EOS-261 M830
Technical Information	
Chip	Impinj M830 with Gen2X features
EPC Memory	128 bit
User Memory	N/A
TID	96 bit factory locked (48 bit unique)
Read Sensitivity	-25.5dBm
Write Sensitivity	-20dBm
RFID Standards	EPC Gen2v2
Read Range	Up to 15m (frequency and substrate dependent)
Theoretical Read Range: ETSI (865-868 MHz)*	
Air	12m
Cardboard	15m
Fiberglass	8m
Glass	8m
PTFE	14m
Polyacetyl	8m
PVC	8m
Rubber	8m
Theoretical Read Range: FCC (902-928 MHz)*	
Air	14m
Cardboard	10m
Fiberglass	12m
Glass	8m
PTFE	9m
Polyacetyl	12m
PVC	12m
Rubber	9m

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.

Warranty

Supplies are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit www.zebra.com/warranty

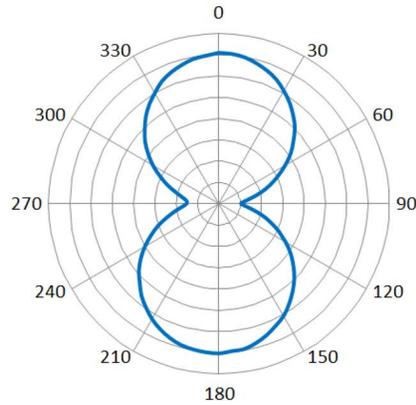
Footnotes

* Theoretical read range data is meant to be directional. Actual performance.

Specifications are subject to change without notice.

Radiation Pattern

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



Markets and Applications

Healthcare

- Item and case level labeling

Transport and Logistics

- Item and case level labeling

Manufacturing

- Item and case level labeling: automotive and industrial MFG

Retail

- Multiple itemlevel labeling: apparel, accessories, electronics, etc.



ZEBRA

Z-Perform 1500T

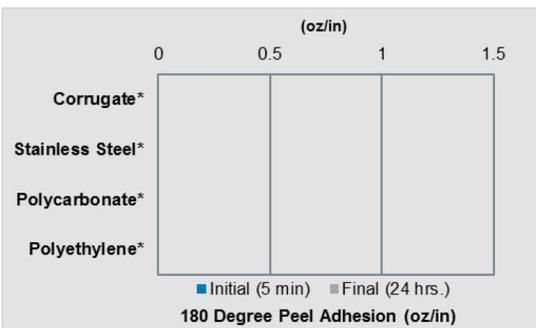
FEATURES

- Thermal transfer, smooth paper label with a permanent acrylic adhesive
- Recommended for printing applications up to 14 inches per second
- Suitable for fanfolding
- Meets FDA 175.105 for indirect food contact requirements
- Available in white (10017767RM)

MATERIAL CONSTRUCTION

Component	Description	Caliper
Facestock	White smooth topcoated paper	2.6 mil
Adhesive	Permanent, acrylic-based	0.6 mil
Liner	40 lb. semi-bleached, kraft stock	2.4 mil
TOTAL ± 10%		5.6 mil

ADHESIVE STRENGTH



*Attraction between adhesive and surface is so great that the facestock rips.

TEMPERATURE PERFORMANCE

Minimum Application Temperature	Service Temperature	Optimal Storage Conditions
25° F (-4° C)	0° F to 180° F (-18° C to 82° C)	72° F (22° C) at 50% RH

Expected Exterior Life

Not recommended for outdoor use

CHEMICAL RESISTANCE

	Chemical	Suggested Ribbon		
		6000	2000	6100
Weak	Blood	●	●	●
	Body Fluid	●	●	●
	Salt Water	●	●	●
	Water	●	●	●
	Window Cleaner	●	●	●
Moderate	Alcohol	NR	NR	NR
	Ammonia	NR	NR	NR
	Bleach	NR	NR	NR
	IPA	NR	NR	NR
Harsh	Gasoline	NR	NR	NR
	Grease	NR	NR	NR
	Oil	NR	NR	NR
Extreme	Acetone	NR	NR	NR
	IR Reflow	NR	NR	NR
	MEK	NR	NR	NR
	TCE	NR	NR	NR
	Xylene	NR	NR	NR

● Recommended ● Test in Your Application NR Not Recommended

SUGGESTED APPLICATIONS

- Labeling of packaging material



- Compliance labeling



- Work in process



- Food labeling



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