



EOS-450 M730

T A G E O S

Datasheet



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Versatile and High-Performance Solution for Retail and Beyond

EOS-450 M730 Global inlay combines moderate size with outstanding robust performance on a wide range of surfaces. Based on a design targeted for the challenging ARC Spec Z approval, this inlay is the product of choice for a wide range of applications such as retail, food and quick service restaurants, as well as logistics and general industrial segments. Hence, it is ideally suited for inventory visibility and item-level tagging.

Equipped with 128-bit EPC memory, the Impinj M730 RAIN RFID chip provides high performance, fast inventory capability, and advanced features for next-generation, universal RAIN RFID tags. It lends itself to solutions that include high-speed inventory counting, loss prevention with frictionless self-checkout, and embedded tagging with seamless product returns.

EOS-450 M730 complies with global frequency standards and is available in dry, 4up wide web format.

Tageos was one of the first companies to qualify for ARC Quality Certification for its manufacturing operations from Auburn University RFID Lab. EOS-450 M730 complies with ARC specification F, G, I, J, K, L, N, O, Q, R, Y, Y2 and Z as well as W1, W2, W3, W4, W5, and W6.

Like all Tageos' RFID products, EOS-450 M730 complies with ISO 9001:2015 Quality Management System and ISO 14001:2015 Environmental Management System as well as Environmental Directives RoHS and REACH, utilizing sustainable materials such as FSC® certified paper whenever possible.

Overview

IC:	Impinj M730
EPC/User Memory:	128 bit +/- bit
TID Memory:	96 bit incl. 48 bit unique S/N
Frequency Band:	860 - 960 MHz
Protocol:	EPC Class 1 Gen 2 - ISO 18000-6c

Application Areas

- Apparel
- Inventory Visibility
- Item Level Tagging
- Logistics
- Supply Chain Management
- Quick Service Restaurants





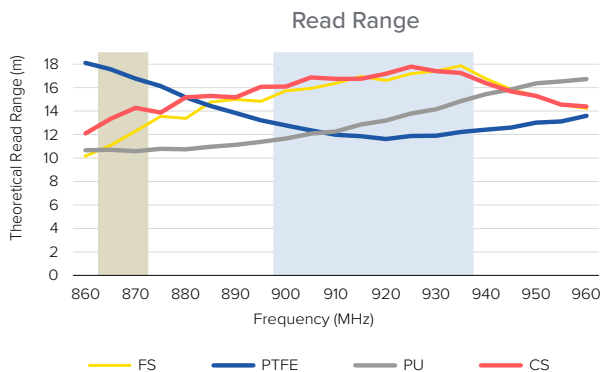
EOS-450 M730

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Technical Overview

Dry - 4up

Product Code	4500000013	
Antenna Size	72 x 10 mm 2.83 x 0.39 in	
Finish Size	-	
Web Width	340.00 ± 1 mm 13.386 ± 0.04 in	
Pitch	16.00 ± 0.2 mm / 0.630 ± 0.01 in ^(a)	82.00 ± 0.2 mm / 3.228 ± 0.01 in ^(b)
Antenna Material	Aluminium	
Front Face	-	
Inlay Substrate	PET Clear 50µm	
Inlay Adhesive	-	
Liner	-	
Operating Temperature	-40°C / +85°C -40°F / +185°F @20% to 90% RH	
Shelf Life Time	2 years @ +25°C/40%RH	
Final Inspection	100% tested	
ARC Approvals	F, G, I, J, K, L, N, O, Q, R, Y, Y2, Z, W1, W2, W3, W4, W5, W6,	



Contact:

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Graphs: All the graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a normal output power level and respective IC silicon. **Storage & handling precautions:** Observe standard storage and handling practices to minimize Electro Static Discharge. Tageos reserves the right to change its products and services at any time without notice. As our products are used in circumstances beyond our control, we cannot be held liable for any damages caused through their use. This is a general purpose product not designed or intended for any specific application.

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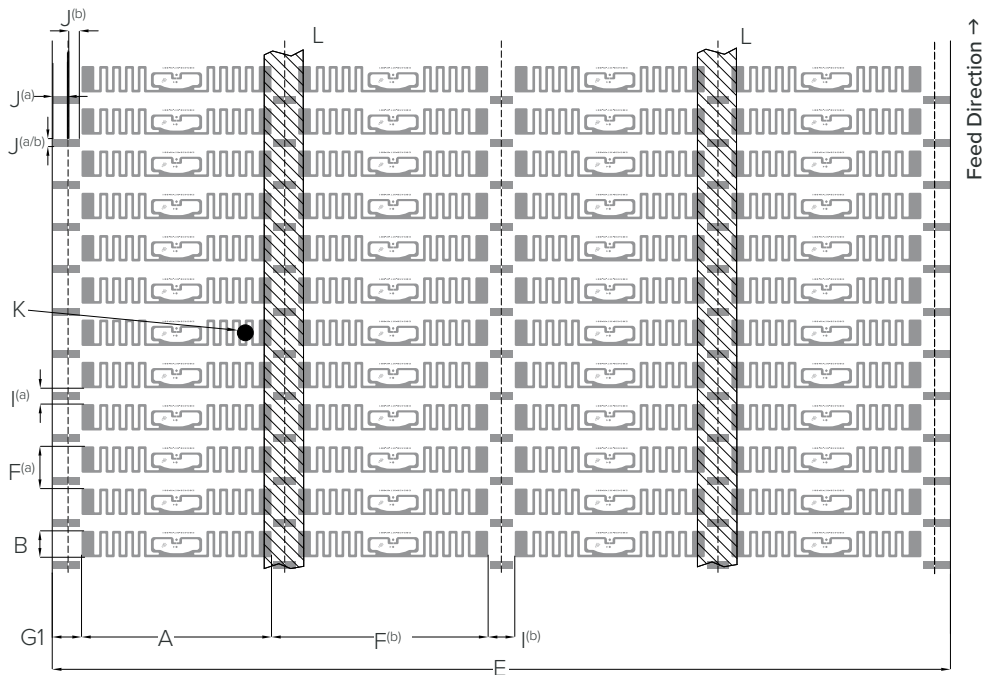


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Product Specifications

Mechanical Dimensions



Dry - 4up

Product Code	4500000013	
Antenna Size	A x B 72 x 10 mm / 2.83 x 0.39 in	
Finish Size	C x D -	
Web Width	E	340.00 ± 1 mm / 13.386 ± 0.04 in
Pitch	F	16.00 ± 0.2 mm / 0.630 ± 0.01 in ^(a) 82.00 ± 0.2 mm / 3.228 ± 0.01 in ^(b)
Antenna to Web Edge	G1	11.0 ± 1 mm / 0.433 ± 0.04 in
Antenna to Die-cut	G2	-
Die-cut to Web Edge	H	-
Antenna Gap	I	6.00 mm / 0.236 in ^(a) 10.10 mm / 0.398 in ^(b)
Converting Spot	J	3.00 x 5.50 mm / 0.118 x 0.217 in ^(a) 3.00 x 4.00 mm / 0.118 x 0.157 in ^(b)
Bad Mark	K	Ø 6.0 mm / 0.236 in
Interleaves	L	Yes



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Packing Details

Dry - 4up

Product Code	4500000013
Delivery Format	Roll (Multi row)
Core Inner Diameter	76 mm / 2.99 in
Roll Outer Diameter	298 mm / 11.73 in
Unwinding Direction	Inlay on outside of roll
Standard Roll Size	160 000
Min. Guar. Yield/Roll	98.5%
Box Dimensions	38.5 x 38.5 x 37.0 cm / 15.16 x 15.16 x 14.57 in
Rolls/Box	1
Inlays/Box	160 000
Box Gross Weight	19.46 kg / 42.91 lbs
Pallet Dimensions	120 x 80 x 126 cm / 47.2 x 31.5 x 49.6 in
Boxes/Pallet	18
Inlays/Pallet	2 880 000
Pallet Gross Weight	375 kg / 827 lbs

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