

Maxdura® Long Range

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Alien Higgs 3

Impinj Monza 4E

Hard Tag Dimensions

150 x 25 mm

5.91 x 0.98 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Industrial Applications

Logistics

Automotive

Applications

Supply Chain Management

On-Metal Asset Tracking

Returnable Transport Units (RTUs)



Long read range for on-metal tagging

Our Maxdura® Long Range has been designed with a rugged construction for high durability for metallic surfaces with excellent read range performance of over 15m. It is especially applicable in supply chain, asset and warehouse management to tag and identify containers and railway coaches.

This UHF RFID hard tag, member of our Maxdura® product family is a passive, battery-less transponder equipped with Alien Higgs-3 IC, including 512-bit user memory.

Maxdura® Long Range housing is made of ABS, including ingress protection IP67. Other plastic materials, like PC, and colors are available upon request. It can be easily fixed with screws or with an adhesive tape on the backside for easy attachment.

Due to its out-performing read range and high resistance, it is very well suited to tap the benefits of passive RFID in challenging environments for different industrial applications where long read range is a crucial factor.

Technical features

Chip	Alien Higgs 3	Impinj Monza 4E	Alien Higgs 3	Alien Higgs 3
EPC and User Memory	96-bit and 512-bit	496-bit and 128-bit	96-bit and 512-bit	96-bit and 512-bit
TID Memory	Available for all			
Product Code	3500214	510024	510003-02	3500223
Hard Tag Dimension	150 x 25 mm / 5.91 x 0.98 in			
Thickness	12.00 mm / 0.47 in			
Housing Material	ABS			
Color	Blue	Blue	White	Blue
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F			
Quality / Package	100 pcs / box			
Certificates	IP67 ETSI	IP67 Broadcast	IP67 ETSI	IP67 FCC

Contact information

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Warranty: Please refer to Avery Dennison standard terms and conditions: rfid.averydennison.com/termsandconditions

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.