

# Maxdura® Outdoor

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

Alien Higgs 3

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**Hard Tag Dimensions**

90 x 34 mm / 3.54 x 1.34 in

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**International Standard**

ISO 18000-6C, EPC Class 1 Gen 2

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**Industry Segments**

Industrial Applications

Logistics

Automotive

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**Applications**

Supply Chain Management

On-Metal Asset Tracking

Returnable Transport Units (RTUs)

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## Optimized read range for on-metal tagging

Our Maxdura® Outdoor has been designed with a rugged construction for high durability for metallic surfaces. It offers excellent read range performance of over 10m in open-air environments for asset tracking applications, such as equipment, parts, containers, railway and warehouse components.

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.

It offers a flexible read / write range depending on the reader. Maxdura® Outdoor housing is made of ABS, fulfilling ingress protection IP68. Other plastic materials and colors are available upon request. It can be easily fixed with screws and alternatively it provides an adhesive tape on the backside for easy attachment for inhouse usage. Maxdura® Outdoor is also available for non-metallic applications.

Due to its excellent read range and high resistance, it is very well suited to tap the benefits of passive RFID in challenging outdoor environments for different industrial applications.

## Technical features

Chip	Alien Higgs 3	Alien Higgs 3
EPC and User Memory	96-bit and 512-bit	
TID Memory	Available for all	
Product Code	3500213	3500222
Hard Tag Dimension	90 x 34 mm / 3.54 x 1.34 in	
Frequency Band	UHF 860 - 960 MHz	
Thickness	7 mm / 0.28 in	
Housing Material	ABS	
Color	Blue	
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F	
Quantity / Package	100 pcs / box	
Certificates	IP68 ETSI	IP68 FCC

### Contact information

[rfid.averydennison.com/contact](http://rfid.averydennison.com/contact)

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**Warranty:** Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](http://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.