



MAXDURA® DOUGHNUT

Rugged Tag to Meet Endurance Requirements

Smartrac's MAXDURA® DOUGHNUT has been designed with a rugged construction for high durability on metallic surfaces. It offers excellent read range performance, especially tuned for metallic applications and can be widely used in industrial environments, like asset tracking, supply chain management, service industries, distribution logistics and manufacturing companies.

This RAIN RFID (UHF) hard tag, member of Smartrac's 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 DOUGHNUT housing is made of black PA6 to meet all endurance requirements for heat, harsh chemicals, painting processes and outdoor exposure. It fulfills ingress protection IP68 against dust and water intrusion to meet shop floor usage. Other plastic materials and colors are available upon request.

Due to its excellent read range and rugged construction it is very well suited to tap the benefits of passive RFID in different industrial applications.

Overview

Operating Frequency

865-868 MHz (ETSI)

902-928 MHz (FCC)

Integrated Circuit (IC)

Alien Higgs 3

Dimension

Ø 34 mm

Material and Color

PA6, Black

International Standards

- ▶ EPC Class 1 Gen 2
- ISO 18000-6C

Application Areas

- ▶ Industry
- ▶ Supply Chain & Asset Management

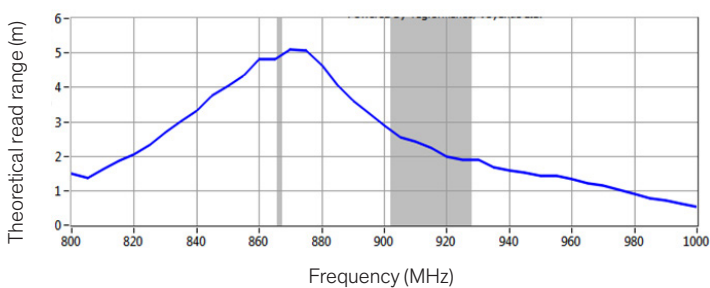
MAXDURA[®] DOUGHNUT

Rugged Tag to Meet Endurance Requirements

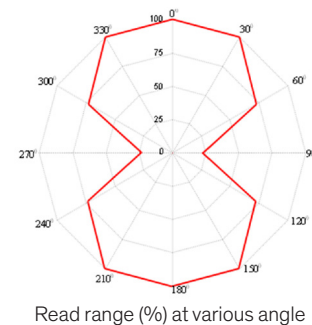
Technical Features	
IC + Memory*	Alien Higgs-3, EPC 96 bit extendable up to 480 bits 512 bit user memory Data retention of 50 years, Write endurance 100,000 cycles
Tag Size (Diameter)	Ø 34 mm, hole diameter 5.6 mm, thickness 8 mm
Weight	7.3 g
Materials & Color	PA6, other materials upon request Black, other colors upon request
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
IP Class	IP68
Qty/Package	3,000 pcs. / MOQ 6,000

* Additional memory, protocol and product configurations are available upon request.

Frequency v/s Read Range



Relative Read Range vs. Orientation



This product is in compliance with Directive 2014/53/EU

Contact:

Smartrac Specialty GmbH · Gewerbestr. 10 · 51580 Reichshof-Wehrath · Germany
Phone: +49 2265 9919 0 · Fax: +49 2265 9919 11

Contact: Sales & Customer Service
smartrac-group.com/contact

Smartrac N.V. · Strawinskylaan 851 · 1077 XX Amsterdam · The Netherlands
Phone: +31 20 30 50 150 · Fax: +31 20 30 50 155

© 2018 Smartrac N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. info@smartrac-group.com

