



MAXDURA® FLEX

Ideal for Curved Surfaces

SMARTRAC MAXDURA® FLEX has been designed with a rugged construction for high durability for curved surfaces in asset tracking applications.

This RAIN RFID (UHF) hard tag, member of SMARTRAC's MAXDURA product family with global frequency tuning is an excellent choice to tag curved boxes made of plastic or wooden.

MAXDURA FLEX is a passive, battery-less transponder that provides a reliable read range and performance over 10m and is equipped with Alien Higgs-3 IC, including a user memory of 512 bit. It offers a flexible read/write range depending on the reader.

MAXDURA FLEX housing is made of TPU, including ingress protection IP68 and can be easily fixed with screws, rivets or with an adhesive tape on the backside for easy attachment.

Due to its flexible structure high resistance, it is very well suited to tap the benefits of passive RFID in challenging environments for different industrial applications.

Overview

Operating Frequency
860 – 960 MHz

Integrated Circuit (IC)
Alien Higgs 3

Dimension
125.5 × 30 × 3 mm

Material and Color
TPU, Black

International Standards

▶ EPC Class 1 Gen 2
ISO 18000-6C

Application Areas

- ▶ Automotive
- ▶ Industry
- ▶ Supply Chain & Asset Management

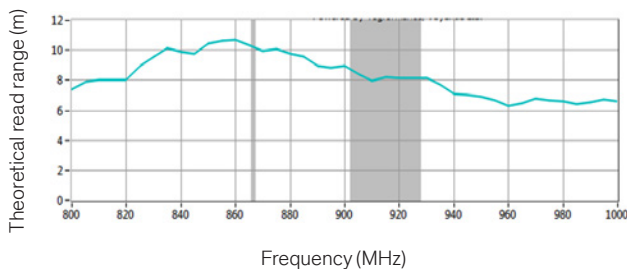
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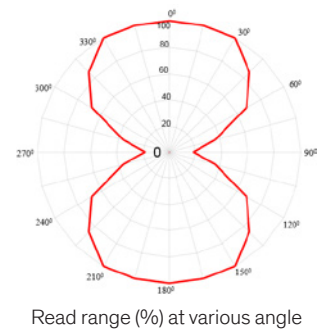
Technical Features	
IC + Memory*	Alien Higgs-3, EPC 96 bit extendable up to 480 bits 512 bit user memory Data retention of 50 years, Write endurance 100,000 cycles
Tag Size	125.5 × 30 × 3 mm
Weight	13.30 g
Materials & Color	TPU, Black Adhesive backing for easy mounting
Operating Temperature	-25°C to +85°C
Storage Temperature	-25°C to +85°C
IP Class	IP68
Qty/Package	1,800 pcs. / MOQ 5,400

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

Frequency v/s Read Range



Relative Read Range vs. Orientation



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