



## MAXDURA® BRICK

### Compact Size for On-metal Tagging

SMARTRAC's MAXDURA® BRICK has been designed with a rugged construction for high durability on metallic surfaces. It offers excellent read range performance up to seven meters. Its compact size makes it suitable for IT asset tracking such as backup tapes, servers, network routers, hard drives and media tapes without any human intervention. Moreover, it fits applications for inventory control, track and trace of small tools and manufacturing equipment.

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 BRICK housing is made of TPU, fulfilling ingress protection IP68. Other plastic materials and colors are available upon request. It can be easily fixed with adhesive backing and a hanging thread through a tiny hole for easy mounting. MAXDURA BRICK is also available for non-metallic applications.

Due to its excellent read range, compact size and high resistance, 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

39 × 13 × 5.3 mm

##### Material and Color

TPU, Black

#### International Standards

- ▶ EPC Class 1 Gen 2
- ISO 18000-6C

#### Application Areas

- ▶ Industry
- ▶ Supply Chain & Asset Management

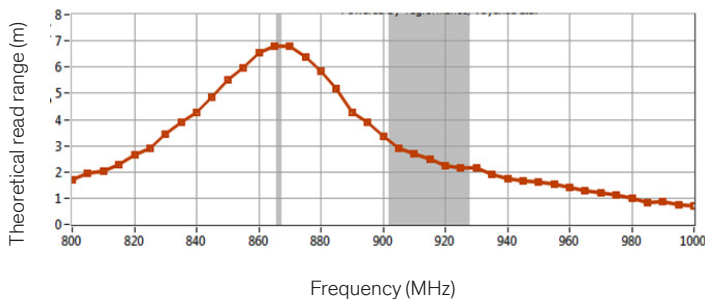
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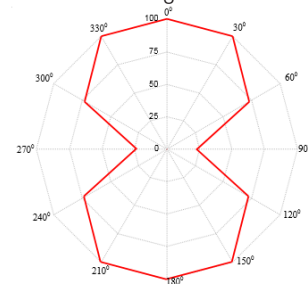
Technical Features	
IC + Memory*	Alien Higgs-3, EPC 96 bit extendable up to 480 bits 512 bit user memory Data retention of 50 years, Write endurance 100,000 cycles
Tag Size (LxWxT)	39 × 13 × 5.3 mm
Weight	3.0 g
Materials & Color	TPU, other materials upon request Black, other colors upon request Adhesive backing / hanging threads for easy mounting
Operating Temperature	-25°C to +85°C
Storage Temperature	-25°C to +85°C
IP Class	IP68
Qty/Package	3,600 pcs. / MOQ 7,200

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

Frequency v/s Read Range



Relative Read Range vs. Orientation



Read range (%) at various angle

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