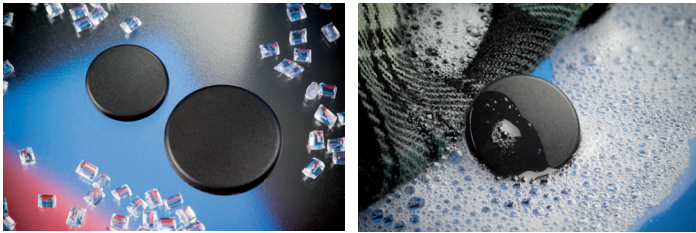


## SMART-S-TAG

One of the most resistant tags available.



SMARTRAC Smart-S-Tag has been specially designed to meet the requirements of harsh environments that are typical for pharmaceutical, industrial and laundry applications. The Smart S-tag with Fujitsu FRAM IC is excellent for medical applications due to the gamma resistance up to 50 kGy. The tag is also well suited for the reliable identification of all kinds of textiles and represents a flexible and cost effective solution for the RFID industry.

Embedded in black epoxy material and with dimensions of only 16mm in diameter the S-TAG is one of the most resistant tags available. The tag is based on high frequency 13.56MHz technology and meets the global open standard ISO/IEC 15693 requirements that allow interoperability of products from multiple manufacturers.

### Benefits:

- ▶ High mechanical durability.
- ▶ Gamma resistant up to 50 kGy.
- ▶ Extended temperature and chemical resistance.
- ▶ Anti-collision feature: several tags can be read at the same time.

### Overview

**Operating Frequency**  
13.56 MHz

**Integrated Circuit (IC)**  
Fujitsu FRAM 2kB, rev. C

**Tag Size**  
Ø 16 mm (0.63 in)

**International Standards**  
ISO 15693  
ISO 18000-3  
IP68

**Operating Temperature**  
-20 to 85°C / -4 to 185°F

**Quality Assurance**  
100% performance tested

### Application Areas

- ▶ Laundry
- ▶ Industry
- ▶ Pharmaceutical and Medical

## SMART-S-TAG

Technical Features	
IC	Fujitsu FRAM 2kB, rev. C
Memory	2k Byte
Frequency	13.56 MHz
Tag Size	Ø 16 mm / 0.63"
Thickness	3 mm / 0.12"
Hole Diameter	N/A
Operating Temperature	-20°C to 85°C / -4°F to 185°F
Storage Temperature	-35°C to 100°C / -31°F to 212°F (max 168h)
Material	Epoxy
Color	Black
IP Class	IP68
Qty/Package	1,000 tags / box
Shelf Life: minimum of 2 years from the date of manufacture in	20°C / 68°F, 50% RH



RoHS CE

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