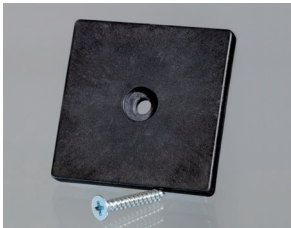


SMART-HT-TAG

High-Temperature resistance for coating lines and industrial applications.



SMARTRAC Smart-HT-Tags have been specifically designed to meet high-temperature requirements in industrial applications and coating lines. Made from PPS, the Smart-HT-Tags offer high resistance to harsh surrounding conditions, in particular resistance to high-temperature, mechanical stress and most chemicals.

The high-temperature tags have been successfully tested to sustain 200°C for 60 minutes, 220°C for 45 minutes, and 240°C for 30 minutes. Furthermore, Smart-HT-Tags resist acetone, 5% Sodium Carbonate, 5% Saltwater, 5% Freshwater, 5% Acetic Acid, and 60% Ethyl Alcohol. The high-temperature tags are also tested for vibration and shock resistance according to IEC 86.2.6 and IEC 68.2.29.

SMARTRAC Smart-HT-Tags provide reliable read range and excellent performance. Equipped with a centered hole, the tags can be easily attached. The tags contribute to process acceleration, efficiency gains and optimized tracking and tracing of goods and parts. Due to their high resistance, they are very well suited to tap the benefits of passive RFID in harsh environments and demanding industrial applications.

Benefits:

- ▶ Robustness.
- ▶ High-temperature resistance.
- ▶ Excellent resistant to mechanical stress and most chemicals.
- ▶ High IP protection class.

Overview

Operating Frequency
13.56 MHz

Integrated Circuit (IC)
NXP ICode SLI

Tag Size
51 x 51 mm (2.01 x 2.01 in)

International Standards
ISO 15693
ISO 18000-3
IP68

Operating Temperature
-25 to 85°C / -13 to 185°F

Quality Assurance
100% performance tested

Application Areas

- ▶ Coating lines
- ▶ High-temperature industrial applications
- ▶ Metalworking industry
- ▶ Industries with rough conditions

SMART-HT-TAG

Technical Features	
IC	NXP ICode SLI
Memory	1k bit
Frequency	13.56 MHz
Tag Size	51 x 51 mm / 2.01 x 2.01"
Thickness	6.5 mm / 0.26"
Hole Diameter	5.5 mm / 0.22" (screw head hole 10.5 mm / 0.41")
Operating Temperature	-25°C to 85°C / -13°F to 185°F
Storage Temperature	-40°C to 185°C / -40°F to 365°F (max 1,512h)
Material	PPS
Color	Black
IP Class	IP68
Qty/Package	100 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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