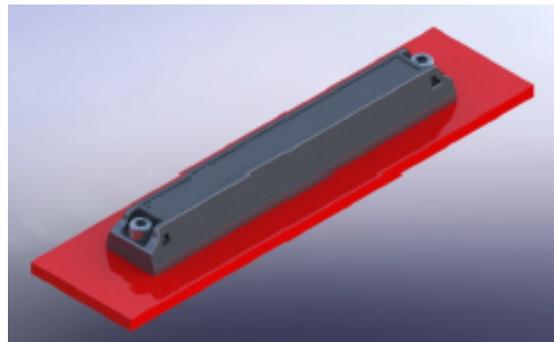
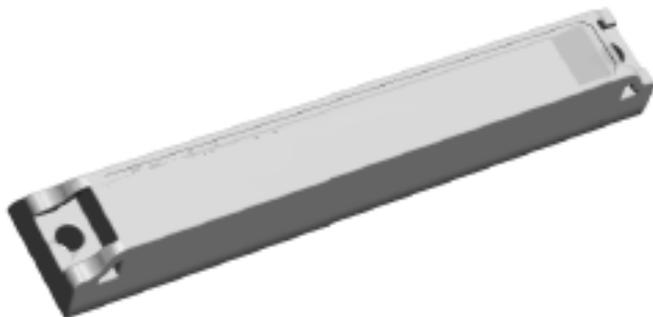


STA MT15023 Metallic Tag



Features:

- ❖ STA MT15023 is a UHF Gen2 long range passive tag. It is ideal for deployment in rugged and harsh environments and it gives excellent performance on metallic objects & plastic. This tag operates effectively with read range of over 10m when attached on metal.
- ❖ Rugged construction for high durability
- ❖ Attaching Mechanism: Riveting/Screws/Adhesive
- ❖ Magnetic attachment methods is also available (as per request)

Application:

Due to high read range, this can be effectively used in asset tracking, Ware house management, Containers and Railway Coaches. Factory automation, Automotive & Security purpose.

Electrical Characteristics:

- ❖ Operating mode Passive (battery-less transponder)
- ❖ Air Interface Protocol: ISO/IEC 18000-6C, EPC Global C1G2 Operating
- ❖ Operating Frequency: 865-868 MHz (902-928MHz also available on request)
- ❖ Read Distance: 10 m*

Chip Type:

- ❖ Alien Higgs 3 EPC Class 1 Gen 2
- ❖ EPC 96 bit extendable up to 480 bits
- ❖ User Memory 512 bit
- ❖ Data retention of 50 years
- ❖ Write endurance 100000 cycles

Mechanical:

- ❖ Dimension: 150 x 23 x 12 mm
- ❖ Material: ABS/PC (as per request)
- ❖ Colure: Blue, Black, Gray (as per request)
- ❖ Weight: 25 gm

Ingress Protection: IP67

- ❖ Thermal: Storage Temp. -40°C to +85°C
Operating Temp. -40°C to +85°C
- ❖ Applicable Surface Materials: Metal
- ❖ Expected Lifetime: Years in normal operating conditions

Chemical Resistance:

- ❖ Six hour Salt water exposure
- ❖ Six hour Motor oil exposure
- ❖ Good exposure resistant against HCL, MEK, IPA

Options Available:

- ❖ Other IC type on request
- ❖ Other plastic material and colours e.g. PC/ABS
- ❖ Adhesive backing for easy mounting
- ❖ Pre encoding: On request
- ❖ Customization: Logo/text printing on request

- ✓ **Note: Actual read range may vary depending upon the reader power and environmental factors.**

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