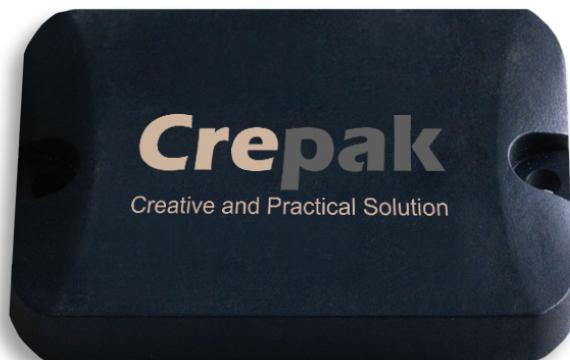


Crepak

Creative and Practical Solution



TUMBLER 50

Excellent Performance
High Temperature
Durable

Overview

The Tumbler 50 is the first of the Rugged Tumbler Series RFID tags being developed to meet customer demand of robust tags that can be used in high temperature, dusty, chemical and other harsh industrial environments. Tumbler 50's smart encapsulation prevents dusty or water ingress which ensures Tumbler 50 IP68 protection. Benefit from special polymer housing and packaged chip, Tumbler 50 is applicable in up to 250°C high temperature environment. This compact and rugged tag features an impressive 10 meters read range when mounted on metal assets and carries a 10 year life expectancy.

Features & Benefits

- Special chip package protection ensures tag to survive at temperature up to 250°C
- Ruggedized housing and smart structure ensures durability and longevity, with IP68 protection rating;
- Read range over 10 meter while mounted on metal
- Customizable with clear laser etching and other human readable character
- Multiple attachment methods: two holes for screw or rivet mounting, high strength adhesive, or supplied with a metal plate as an optional weld bracket

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Mechanical Specification

Material	Nylon
Size (mm)	51 × 36.3 × 7.5
Rivet hole (mm)	φ3.2
Weight (g)	28

RF Specification

Frequency (MHz)	866-868 (EU) 902-928 (US)
Read range ¹	10m on metal Optimized on metal
Chipset	Alien Higgs 3
Memory	EPC – 96 bits User – 512 bits TID – 64 bits

Tested by Voyantic Tag Performance

Environment specification

Operating Temp ¹	-40 to +85°C
Environment Temp	-40 to +250°C
Protection ²	IP68
Shock and vibration ³	MIL STD 810-G
Mouting method	Screw, Rivet, Adhesive
Certification	Meet ROHS requirement Meet CE requirement
Warrenty	12months, advised application

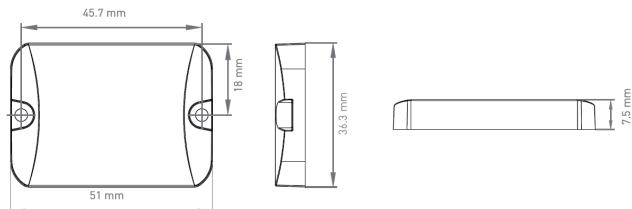
1 Temperature measured according to BS EN 60068-2

2 Excluding mounted by adhesive

3 Designed on MIL STD 810-G 60068-2 standard

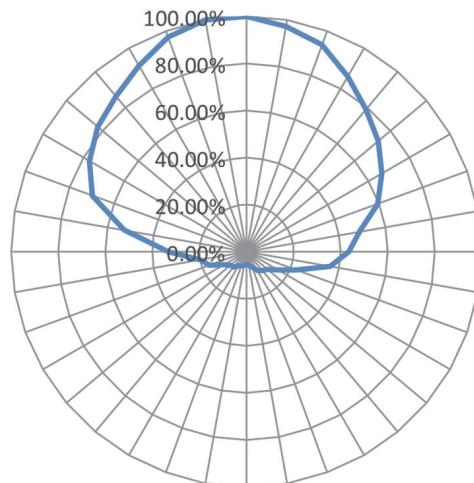
Contact Crepak for details

Dimension



Radiation Pattern

On metal



Order information

Part No : US TB5000H3

EU TB50001H3

For other version or technical support, please consult Crepak

About Crepak

Crepak designs and manufactures durable, high performance RFID tags for general and harsh environment. To ensure perfect deployment, We work with our customer through all project phase from POC, Pilot to deployment; With our knowhow we could work with our customer to solve the most challenge problem, choose the right tag which is affordable and consistent, based on our in house innovation design and manufacture, we can not only provide standard product but also supply customized tag for customer to fit for the application; For more information, visit the company website at www.crepak.com

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