

System Concepts, Inc. RFID Extreme Tag Solutions

TRAXWARE® RFID HeatTrax2™ High Temperature Tag

Complete Services and Solutions

- ✓ ISV developer of complete RFID Systems Software supporting Work Flow, Asset Tracking, Closed Loop and Supply Chain / Compliance Tracking
- ✓ Complete RFID System Integration and Professional Services
- ✓ Distributor of RFID Readers / Tags
- ✓ RFID Consulting Services available to Users and Resellers

System Concepts has had experience and success with RFID installations in a variety of Supply Chain and Industrial applications that include Work-In-Process, Inventory and Asset Tracking.

Memory: 96 bits

Frequencies currently tested

North America: 902 Mhz – 928 Mhz
 Europe: 865 Mhz – 868 Mhz
 Japan: 950 Mhz – 956 Mhz
 China: 917 Mhz – 925 Mhz
 (under evaluation)
 Korea: 908.5 Mhz - 914 Mhz
 India: 865 Mhz – 868 Mhz
 Singapore: 923 Mhz – 925 Mhz
 Australia: 918 Mhz – 926 Mhz
 Hong Kong: 920 Mhz – 925 Mhz

TRAXWARE

Adhesive backed for rapid attachment if desired

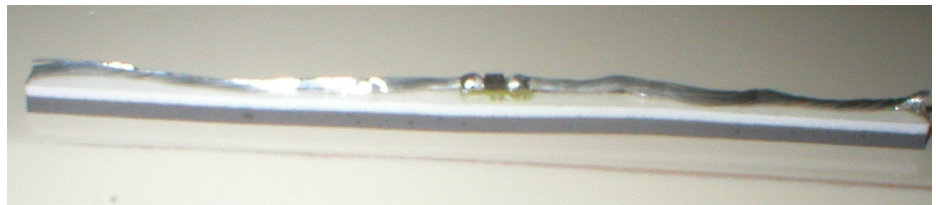
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PATENT PENDING

What is Encapsulation?

The encapsulation of Active and Passive RFID tags performs several very valuable functions, including protection from the environment and business processes, and creating the necessary offsets required such as mounting on metal. Of particular importance is that the packaging must be compatible with the radio frequency (RF) performance of the tag. Tags can be de-tuned if packaged incorrectly, degrading RF signal performance. This causes tag detection range to be reduced, or even destroyed. System Concepts has worked with radio frequencies specialists to create encapsulation formats to provide the right read range when offset is needed or harsh environments need to be endured. At the core of encapsulation is the selection of optimal materials. This expertise even applies to this naked wire metal mount tag which is designed to optimize the cross between low cost and maximal performance



EPC Gen 2 / ISO 18000-6c Compliant

Specifications:

Length: 5.5 inches (140mm)
 Width: 0.125 inches (3mm)
 Height: 0.25 inches (6mm)
 Weight: 1.00 ounce
 Color: Silver wiring, white tuning layer, black offset
 Temperature Ranges: Currently tested to 160c (320f) for 30 days; 125c (257f)@100% Humidity 7 days; 200c (392f) 24hr
 Frequency: UHF 915 MHz

Metal mount tag, employing rugged MSOP (chip) on board electronics design. Excellent read/write performance on any metal or non-metal surface. 70% smaller form factor than comparable metal tags.

Attachment Methods: Various methods have been used to attach the tag to the asset including magnet, tape or adhesive. Please call to discuss options and associated pricing for utilizing an attachment method.

Purchasing Information

Due to the manufacturing process associated to the RFID tag, there are minimums required to deliver this product, please call for details.

