

Product Overview

The TROI Tiny Metal Tag offers extreme durability in a small footprint. Built using a temperature resistant ceramic core encapsulated in a durable plastic, this tag performs well in a variety of demanding environments. The TROI Tiny Metal Tag can accommodate adhesive or mechanical attachment methods.

This tag is an excellent choice for applications such as manufacturing work in process, tools tracking, heavy construction, and tracking specialty containers in the petrochemical industry.

Specifications

Dimensions

- 1.4 X .78 X .2 Inches (35mm X 20mm X 5mm) *Mechanical or Adhesive attachment*
- .78 X .78 X .2 Inches (20 mm X 20mm X 5mm) *Adhesive attachment only*

Communication Protocol – EPC Class 1 Generation 2 / ISO 18000-6C

Frequency Range – 860 MHz – 960 MHz

Integrated Circuit (IC) / Memory

- Impinj – 96 bits
- NXP – 512 bits

Materials – Ceramic core encapsulated in durable plastic

Environmental Durability (*dependent on attachment method*)

- Temperature – -40F – 400F (-40C – 200C)
- Impact Resistance – Excellent
- Chemical Resistance – Dependant on attachment method

Mounting / Attachment – This tag is designed for mechanical or adhesive attachment

Performance (*using Motorola MC9090G hand-held unit in asset management scenario*)

- Read Range – 6 feet (2 meters) on-metal
- Orientation Sensitivity – linear; performs best at 90 degrees to hand-held linear antenna

Options

- Custom labeling (Barcode, Data Matrix, Human Readable) and encoding services available

Note: Tag performance and durability will vary based on RFID hardware configuration and other environmental conditions. Customers should evaluate tags for application suitability before committing to large order quantities.



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For More information on these and our ever increasing selection of standards based passive RFID tags contact:

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