

Product Overview

The wide variety of TROI Industrial tag designs address the most unique and demanding applications that exist for passive RFID. TROI Industrial tags leverage the flexible wire antenna core of the TROI Flex tag encapsulated in vulcanized rubber and other super durable materials. These flexible tags can then be integrated into a number of form factors including steel cables, large rubber O-Rings, and steel bands. This produces tags with a unique collection of tag styles not previously seen in the passive RFID industry.

These tags are an excellent choice for unique and challenging applications in petrochemical and other similarly demanding industrial applications.

Specifications

Dimensions – Variable based on materials and attachment method

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 – Wire based core, vulcanized rubber, other

Environmental Durability (*dependent on materials*)

- Temperature – -40F – 400F (-40C – 200C)
- Impact Resistance – Excellent
- Chemical Resistance – highly chemical resistant

Mounting / Attachment – Mechanical attachment (cables, hooks, large rubber O-Rings, steel bands, nuts/bolts, etc.)

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

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

Options

- Speak with an RFID TagSource representative to discuss your specification application needs.
- Custom labeling may be limited based on material and form factor. 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.



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

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