Universal Micro RFID Tag

UNIVERSAL PRODUCT LINE

The Universal Micro RFID Tag is a great solution to your identification projects that require a small RFID tag with great read range. With a tiny footprint and low profile, the Universal Micro RFID Tag easily fits where other tags are too big or obtrusive.

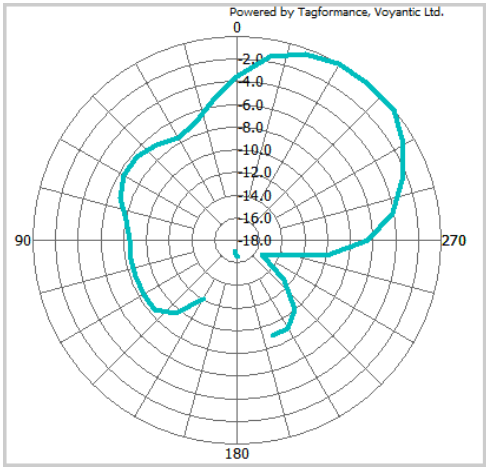
Material and Design Specifications

- Overall dimensions 1.875" (47.63 mm) x 0.625" (15.88 mm) x 0.57" (1.45 mm)
- 0.002" (0.051 mm) pressure-sensitive acrylic adhesive
- Inlay wrapped around 0.039" (0.99 mm) custom engineered foam
- Preprinted material

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 860-960 MHz (Global)
- **IC type:** Various
- **Chip memory:** Various
- **Read range on metal** up to 9 ft. (2.74 m)
- **Polarization** Linear

Radiation Pattern



Key Features

- Up to 9 ft. (2.74 m) read range on metal surfaces
- Extremely small footprint and thin profile while still achieving an excellent read range
- Patented inlay design obtains excellent read range regardless of surface - metal, plastic or even wood
- Subsurface printing on durable polyester protects printed copy against moderate solvents, caustics and acids
- Pre-programmed/Pre-encoded is standard

Applications

- Asset Tracking
- Inventory Management
- IT Asset Tracking
- Tool Tracking
- Work-in-Progress
- Warehouse

Environmental Specifications

- Minimum Application Temperature 50° F (10° C)
- Temperature Range: -40° F to 175° F (-40° F to 79.4° C)
- UV Resistance: Indoor/outdoor use
- Chemical Resistance: Can withstand moderate cleaning chemicals and brief exposure to solvents

UNIVERSAL RFID BY METAL CRAFT

Test Results

These tests were conducted for a limited period in strict laboratory conditions. To achieve maximum satisfaction, we highly recommend any customer considering use of this product test the labels in the environment in which they will be used.

Chemical Soak Test: NE = This rating measures barcode readability on various labels after being exposed to chemicals listed below for a 6-hour soak. NE = No Effect, NR = Not Recommended

Product	Water	Glass Cleaner	Bathroom Cleaner	Alcohol	Acetone	Sodium Hydroxide	Nitric Acid	Hydrochloric Acid	Brake Fluid	Diesel
Universal Micro RFID Tag	NE	NE	NE	Adhesive Ooze	NR	NE	NE	NE	NE	NE

Heat Test
Universal Micro RFID Tag
200° F (93.3° C)

Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc, debris that may affect adhesion.
2. Handle the tag by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the tag in desired tagging location and firmly apply even pressure to the tag for 5 seconds.
4. Do not disturb the newly mounted tag for at least 72 hours to ensure proper adhesive seating.

Industry Compliance

RoHS 2002/95/EC · REACH COMPLIANCE · ISO 9001:2015 CERTIFICATION intertek TM · IMPINJ PARTNER