



A versatile and affordable RFID tag made in the USA to fit a wide array of on-metal and standard applications, the Universal MC RFID Tag is available in both preprinted and onsite printable forms to handle whatever asset tagging application you have.

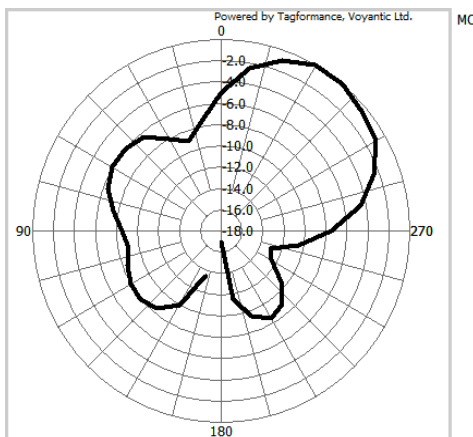
### Material and Design Specifications

- Overall dimensions 2.05" x 1.00" x 0.045" (52.07 x 25.4 x 1.143 mm)
- 0.002" (0.051 mm) high performance adhesive
- Material industry grade polymer
- Material is either preprinted or produced blank

### 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 15 ft. (4.57 m)
- **Polarization** Linear

### Radiation Pattern



## Universal MC RFID Tag

### UNIVERSAL PRODUCT LINE

#### Key Features

- Up to 15 ft. (4.57 m) read range on metal surfaces
- Preprinted or blank for thermal transfer printing and encoding onsite
- IP68 rated
- Next-day shipping available for blank tags

#### Applications

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

#### Printer Recommendations

- Printronix T6000e
- SATO CL4NX Plus
- Zebra ZT411r

#### Ribbon Recommendations

- Wax/Resin DNP TRX-50
- Wax/Resin IMP General Purpose
- Resin DNP V300
- Resin TR4070

#### Environmental Specifications

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



## 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:** This rating measures barcode readability on various labels after being exposed to chemicals listed below for a 6-hour soak.

| Product               | Water | Glass Cleaner | Bathroom Cleaner | Alcohol | Acetone | Sodium Hydroxide | Nitric Acid | Hydrochloric Acid | Brake Fluid | Diesel |
|-----------------------|-------|---------------|------------------|---------|---------|------------------|-------------|-------------------|-------------|--------|
| Universal MC RFID Tag | NE    | NE            | NE               | NE      | NR      | NE               | NE          | NE                | NE          | NE     |

Key: NE = No Effect, NR = Not Recommended

### Heat Test

Universal MC 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 sealing.

## Industry Compliance

