EU Universal RFID Asset Tag
UNIVERSAL PRODUCT LINE

The closest thing you will find to a "one-size-fits-all" RFID solution! The EU Universal RFID Asset Tag is a surface-independent tag that uses a patented inlay design and passive RFID technology to obtain excellent read ranges regardless of surface.
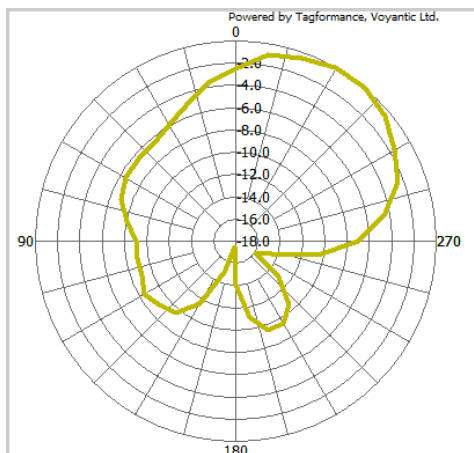
Material and Design Specifications

- Overall dimensions: 3.125" x 1.3750" x .085" to .087" adhesive dependent (79 x 35 mm x 2.16 to 2.21 mm)
- 0.002" (0.051 mm) pressure-sensitive acrylic adhesive
- 0.002" (0.051 mm) thick polyester label wrapped around 0.063" (1.6 mm) closed cell foam, total product thickness is approximately 0.09" (2.3 mm)
- Preprinted material (digital printing process)

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** 25+ ft (7.62+ m)
- **Polarization** Linear

Radiation Pattern

Key Features

- 25 ft. (7.62+ m) read range on metal surfaces
- 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/acids
- Digital printing process provides for greater print capacity with detailed logos or special designs
- Pre-programmed/pre-encoded is standard

Applications

- Asset Tracking
- Work-in-Process
- Tool Tracking

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

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.

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

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

Heat Test
EU Universal RFID Asset 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