RFID Server Rack Tags

RFID FOR METAL SURFACES

A great alternative to metal mount applications where a standoff will not work, Metalcraft's RFID Server Rack Tag consists of an adhesive label that protects the encapsulated RFID inlay and a non-adhesive, folding tab that offsets the RFID inlay; one end adheres to and provides extra protection for the inlay; while the other end adheres to the asset being tracked.

Material and Design Specifications

- Overall dimensions: 3" x 2" x 0.035" (76.2 x 50.8 x 0.89 mm)
- 0.033" (0.84 mm) high performance permanent, pressure-sensitive adhesive
- 0.002" (0.051 mm) thick polyester; 0.035" (0.89 mm) total product thickness
- Features digital printing for complex details/logos

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 8 ft. (2.44 m)
- **Polarization** Various

Key Features

- Ideal for applications with tight spaces (i.e. blade servers) where standoff will not work
- Made of flexible polyester material
- Digital printing process provides for greater print capability with detailed logos or special designs
- Read range of 8 ft. when flagging off of a metal surface
- Compatible with RFID Tracking Software

Applications

- Asset Tracking
- Information Technology

Environmental Specifications

- Minimum Application Temperature: +50 °F (10 °C)
- Temperature Range: -40 °F to 185 °F (-40 to 85 °C)
- UV Resistance: Indoor Use Only
- Chemical Resistance: Can withstand moderate cleaning chemicals and brief exposure to solvents. Avoid exposure to acetone

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
RFID Server Rack Tag	NE	NE	NE	NE	DE	NE	NE	NE	NE	NE
Key: NE = No Effect, DE = Delaminated										

Maximum Heat Exposure
RFID Server Rack Tag
300 °F (149 °C) for 1 Hour

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

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