

Retail & Jewelry RFID Tag

RFID Product

Technical Data Sheet

Part: #WF- SM-0016

General Description

Retail & Jewelry RFID Tag



This cost- effective RFID tag is designed to track high- value retail items and fine jewelry. Made of sturdy polyester, the tag encircles an item and stays in place until removed with scissors. Once secured in place, it is extremely difficult to remove this tag by ripping it off. Typical applications for this tag include, but are not limited to, jewelry, apparel hang tags, pharmaceuticals, cable markers and other items with limited space for identification.

The William Frick Retail & Jewelry RFID Tag works well with metals like gold and silver, as well as other materials. Three- dimensional designs are available for versatile read angles. In addition, this tag can be combined with AuthentiCal™ technology, making it tamper- evident.

The size and shape of the tag can be adjusted to allow a choice of inlays, frequencies and applications.

- Compact size
- Exceptional performance
- Suitable for item- level applications

Applications

Retail Product Tracking, Food & Drugs, Product Verification, Tools Tracking, Firearms Tracking

Material Description

The tag can be printed with a serialized barcode and/ or logo

Tear- resistant Polyester

Overall Thickness:	2.0 mil plus 1.0 mil laminate
Expected Durability:	3 - 5 years
Service Temperature range:	-40° F - 200° F
Water Resistance:	Excellent
UV Resistance:	Fair
Chemical Resistance:	Good

RFID Performance

Providing products with relevant frequencies to different countries and regions

Inlay Type:	EPC Gen 2 (v1.2.0) compliant
Inlay Manufacturer:	Alien Higgs-3 IC with 800 bits of Nonvolatile Memory
Frequency Range:	840-960 MHz (Global)
Read Range:	4-5 feet (depending on hardware and environmental conditions)



Adhesive

More aggressive adhesives or removable adhesives can be used to better suit the application.

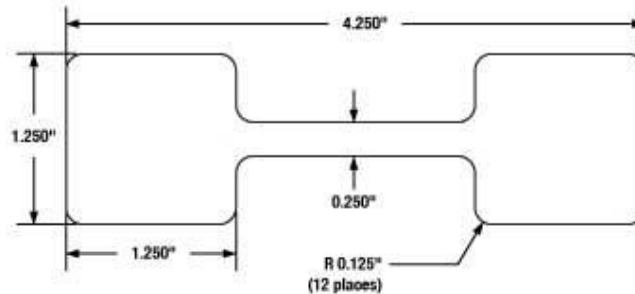
Permanent or Removable

Thickness:	2.0 mil \pm 10%
Min App Temp:	50° F
Tag Application:	Adheres to itself

Shelf life

Stored at 70° F and 50% RH

3-5 years



ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE SPECIFIED

TOLERANCES

3 PLACE DECIMAL + OR-.005"

2 PLACE DECIMAL + OR-.02"

1 PLACE DECIMAL + OR-.1"

MAX SURFACE ROUGHNESS

ALL MACHINED SURFACES

EXCEPT AS NOTIFIED

BREAK SHARP EDGES AND CORNERS

.010" MAX

Contact No.

William Frick & Co.

www.fricknet.com

DWG.

Engr.

Chk.

Aprvd.

Retail & Jewelry RFID Tag

Size.

DWG No.

WF- SM-0016

Rev.



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