



Zip Tie Tag

Harsh Environment • RFID Product • Abrasion Resistant • Chemical & Solvent Resistant

Technical Data Sheet

Part: #WF- SM- ZT02

General Description

Zip Tie Tag



Zip Tie Tags by William Frick & Company are bendable, flexible RFID tags that were developed for easy yet secure attachment around cylindrical objects. Made of Polyolefin, the tags are durable and can withstand harsh environments.

- Flexible and bendable
- Metal mountable
- Harsh environment
- Easy yet secure attachment

Applications

Oil, Gas, Water Pipelines, Utility Labeling

Material Description

HIX Polyolefin Cover

Zip tie cable attaches securely around a cylindrical object

Dimensions (ZT02):	12.0" L x 0.250" H
Dimensions (ZT03):	12.0" L x 0.250" H
Available Colors:	(ZT02 = blue), (ZT03 = red)
Cover:	HIX Polyolefin
Abrasion Resistance:	Excellent
Acid, Alkali, Corrosion Resistance:	Excellent
Water Resistance:	Excellent
Solvent Resistance:	Good
Abrasion Resistance:	Excellent
Flammability:	Self- extinguishing

RFID Performance

Providing products with relevant frequencies to different countries or regions

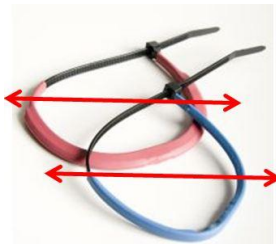
RFID Protocol:	UHF EPC Class 1 Generation 2
Tag Type:	Passive Read/ Write
Frequency Range:	860 ~ 960 MHz (Global)
IC	Impinj
	(NXP, Alien) + 512 Bits
EPC	96 Bits

BABA

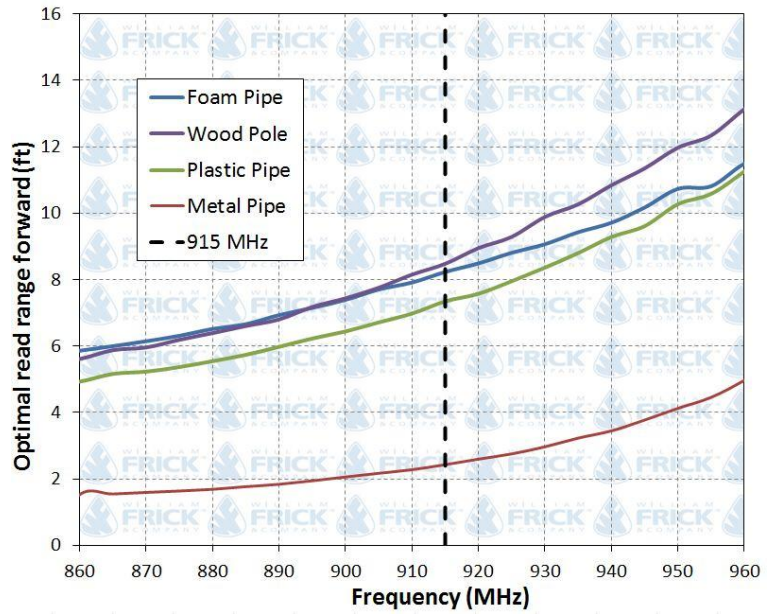
Tested Polarization:

Tag performance was experimentally measured in an anechoic chamber and a known set of experimental variables. The antenna used for measurements was linearly polarized and of monostatic configuration. The direction of tested polarization is as follows.





Optimal Read Range* on Different Material Surfaces:



*Tag performance was measured on a foam pipe, thermoplastic pipe, dry wood pole, and a steel pipe. Actual read ranges may differ depending on conditions such as environment, tag placements, hardware, etc.

Adhesive

Mechanical Attachment

Shelf life

Store at 70°F / 50% Relative Humidity

Completely stable

Test product for system compatibility as individual application conditions can impact results. William Frick Co. does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or any final product into which the product(s) may be incorporated by the purchaser and/ or user. The purchaser and/ or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

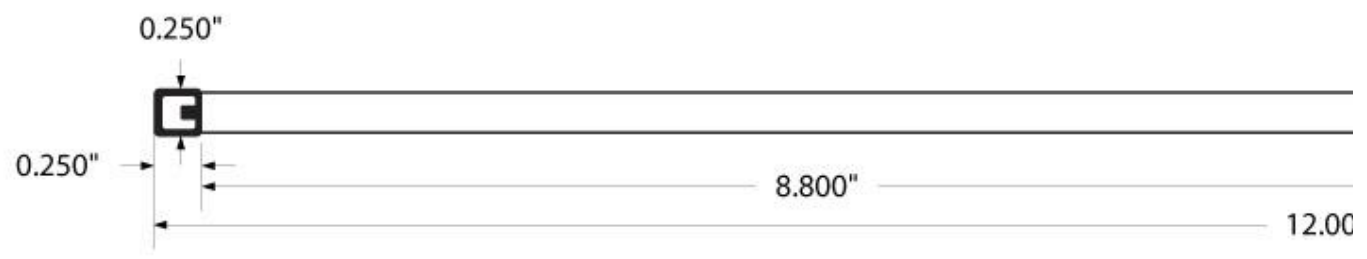


WF-SM-

SIDE

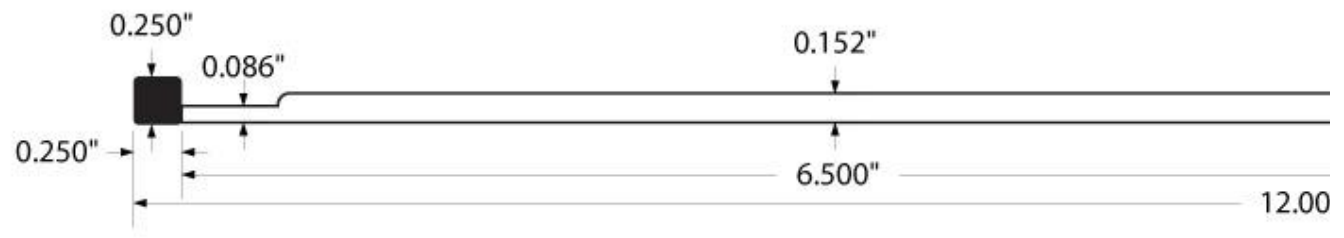


TOP

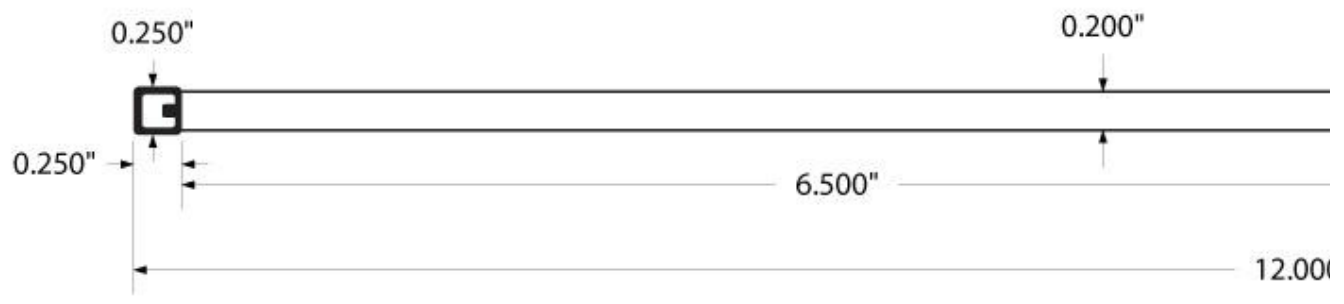


WF-SM-

SIDE



TOP



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William Frick & Company
2600 Commerce Dr. Libertyville, IL 60048 Ph: (847) 918-3700
Email: sales@fricknet.com www.fricknet.com

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.

DWG.

Engr.

Chk.

Aprvd.

W

Size

