SM-30S Impact Resistant RFID Tag With Sling

High Temperature • Chemical & Solvent Resistant • Abrasion Resistant • RFID Product • Harsh Environment • Medium Range RFID

Technical Data Sheet Part: #WF- SM-30S

General Description

SM-30S Impact- Resistant RFID Tag With Sling

- Best harsh environment RFID tag
- Convenient sling/ hang tag attachment
- Excellent read/ write performance on any surface

Constructed of solid vulcanized rubber, the SM-30- S RFID tag has a braided stainless steel nylon- coated cable for use as a sling and hang tag on heavy duty cables, chains and other fasteners. It's quick to attach but indestructible.

With its extreme impact- resistance and durability, the SM-30- S is perfect for use in harsh outdoor environments. The tag can include barcode, 2- D barcode serial number and logo.

Impact Resistant RFID

The core of this RFID tag is a small rugged circuit board with a metal wire antenna. This process allows for embeddable RFID tags that are extremely durable. The SM-30- S has been tested for use in tough environments where impact pressure and abrasion are likely.

Click here to see a short video of this impact- resistant tag in action!

This tag is certified by the Oil & Gas RFID Solution Group.

Applications

Container Tagging, Vehicle/ Fleet Marking, Harsh Environments, Outdoor Use, Construction, Oil, Gas, Water Pipelines

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

Material Description

SM-30S Impact- Resistant RFID Tag With Sling

Dimensions	5.5” x 0.8” x 0.45” plus 5" loop
Available Colors	Tire Rubber Black
Operating Temperature	-40ºF to 158 º (-40 ºC to 70 ºC)
Survival Temperature	-60 ºF to 203 ºF (-51 ºC to 95 ºC)
Water Resistance	Excellent
Solvent Resistance	Excellent
Abrasion Resistance	Excellent
Impact Resistance	Excellent

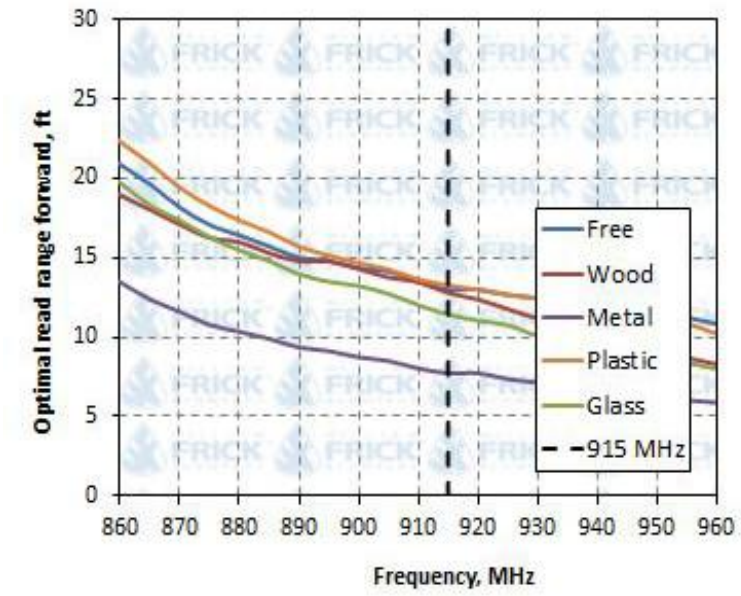
RFID Performance

RFID Protocol	UHF EPC Class 1 Generation 2
Tag Type	Passive Read/ Write
Frequency Range	860 ~ 960 MHz (Global)
IC	Alien Higgs 3 - 480 Bits

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 free of material influence, on a dry wood, window glass, thermoplastic, and steel slabs. Actual read ranges may differ depending on conditions such as environment, tag placements, hardware, etc.

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Adhesive

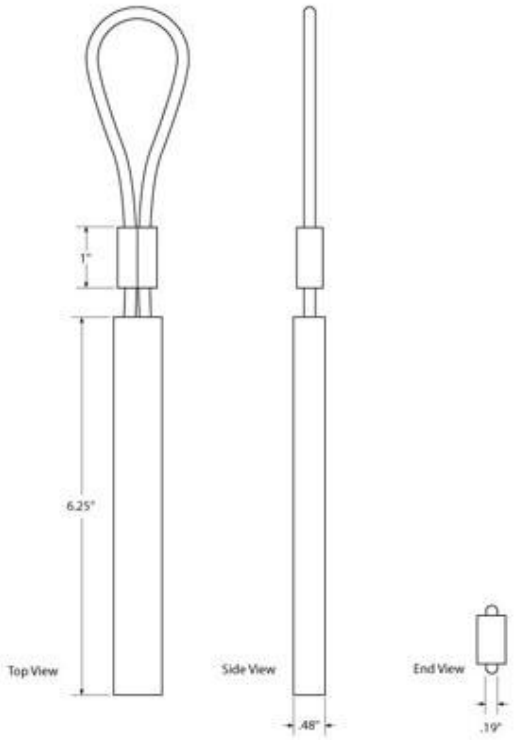
SM-30S Impact- Resistant RFID Tag With Sling

Mechanical attachment with 5/16th inch braided stainless- steel nylon- coated cable

Shelf life

Stored at 70F / 50% Relative Humidity

Stable at room temperature



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.	SM-30S Impact Resistant RFID Tag With Sling		
	Engr.			
	Chk.			
	Aprvd.	Size.	DWG No. WF- SM-30S	Rev.

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