



RFID Retail & Jewelry Tags

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

Description



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 RFID Retail & Jewelry Tag works well with metals like gold and silver, as well as other materials. The design of the tag enables 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.

Additional information



Model Number	WF-SM-16 Retail & Jewelry RFID Tag
Applications	Retail Product Tracking
Material	Tear-resistant Polyester
Overall Thickness	3 mil
Temperature Service Range	-40°F to 200°F
Minimum Application Temperature	50° F
Water Resistance	Excellent
UV Resistance	Fair
Chemical Resistance	Good
Shelf Life	3 - 5 years, Stored at 70F and 50% Relative Humidity

RFID Performance

RFID Protocol	EPC Class 1 Gen 2
Tag Type	Passive Read/Write
Frequency Range	840 - 960 MHz (Global)
IC	Alien® Higgs® 3

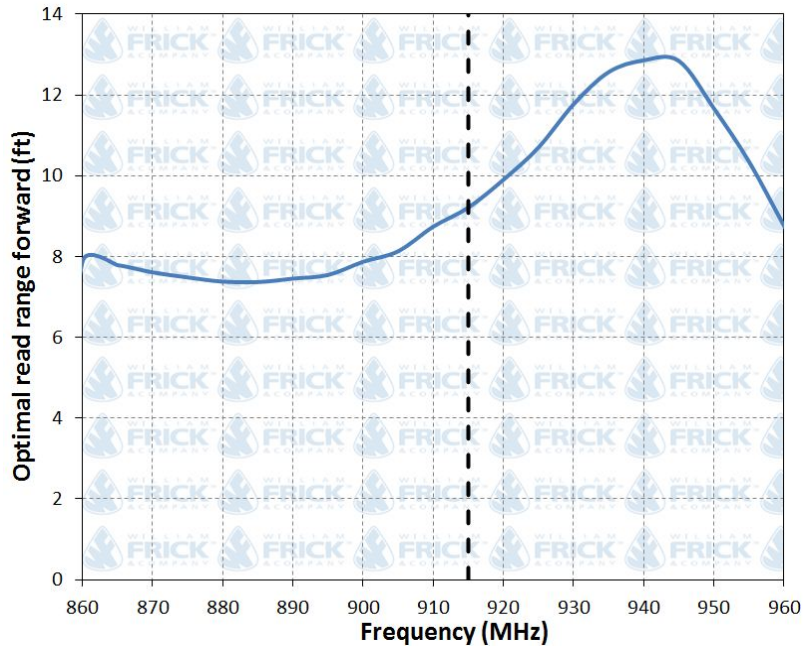
*Other single record and dual record chips available.

Tested Polarization:

Tag performance was experimentally measured in an anechoic chamber with 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. Actual read ranges may differ depending on conditions such as environment, tag placements, hardware, etc.