

HIGH FREQUENCY RFID TAGS FOR INVENTORY AND ACCOUNTING OF HIGH-VALUE RETAIL MERCHANDISE

Elegant . small form factor, minimally intrusive at point-of-sale

Protective . ensures proper identification of merchandise during exchange and distribution

Effective . no line-of-sight necessary, with anti-collision to enable simultaneous reading of multiple tags

HID Global Jewelry Tag passive contactless transponders communicate with readers via radio frequency identification (RFID) technology to enhance the ability to inventory and track high-value merchandise, such as jewelry and small electronics.

Anti-collision technology in each Jewelry Tag device enables fast, comprehensive daily merchandise inventories at the retail level with the wave of a handheld reader . while never having to remove items from display cases or storage cabinets. For continuous monitoring of goods, Jewelry Tag transponders can communicate with reader systems that are integrated into custom display cases. HID's RFID Jewelry Tag offering enables more accurate, effective merchandise accounting for regulatory reporting or stock planning.

In addition, the visible presence of these tags deters would-be shoplifters, reducing shrinkage and theft.

Jewelry Tag devices are available with a patented tamper evident wire loop lock mechanism. Once attached to an item, the wire loop is closed to make the tag operational. To remove a tag, the loop must be broken, rendering the tag permanently unreadable. Tamper evident tags ensure that they cannot be removed and maliciously re-used. As part of the HID Global Jewelry Tag product family, the Jewelry Tag Tamper Evident RFID transponders ensure valuable items cannot be exchanged for less valuable imitations during transportation and distribution. This is especially important when merchandise must pass through international ports without oversight.

In addition to merchandise, the tamper evident tag may also be used as an intelligent seal, enabling more effective tracking of use and maintenance of mission-critical items like fire extinguishers and automated external defibrillators (AED).

TECHNOLOGY HIGHLIGHTS:

Tiny, elegant form factor; unobtrusive at point-of-sale

ISO 15693, ISO 18000-3 compliant
Tamper evident option

512 bit EEPROM, 256 bit user memory
High frequency I-Code SLix-L chip

Custom store or manufacturer logo available

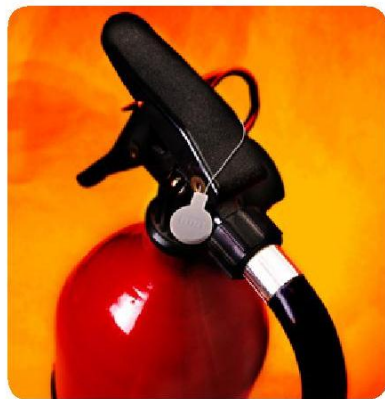
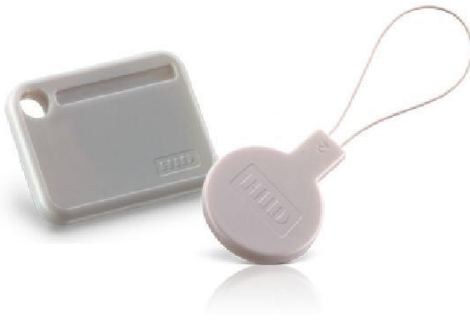
APPLICATION AREAS:

Inventory and accounting of high-value merchandise

- Jewelry
- Small electronics

Tamper evident option for item identity assurance

- Theft and fraud deterrence
- Maintenance tracking of critical items like fire extinguishers, or defibrillators (AED)



HID can create a custom tag solution to fit your application requirements for chip type, dimensions, programming and materials.

SPECIFICATIONS

	Jewelry Tag		
	Standard	Cotton Cord	Tamper Evident
Base Model Number	685980	685900	685902-060
ELECTRONIC			
Operating Frequency	13.56 MHz		
Chip Type	I-Code SLx-L		
Memory	512 bit EEPROM (256 bit user memory)		
Anti-Collision	Yes		
Reading Distance	Dependent upon reader, environment and application		
PHYSICAL			
Length	0.86 in ± 0.01 (22 mm ± 0.3)	0.71 in ± 0.01 (18 mm ± 0.3)	0.90 in ± 0.01 (22.75 mm ± 0.3)
Width	0.65 in ± 0.01 (16.5 mm ± 0.3)	0.64 in ± 0.0 (16.2 mm ± 0.3)	0.65 in ± 0.01 (16.5 mm ± 0.3)
Height	0.13 in ± 0.01 (3.3 mm ± 0.3)	0.10 in ± 0.01 (2.5 mm ± 0.3)	0.10 in ± 0.01 (2.5 mm ± 0.3)
Affixes Via	optional cord	6.7 in (170 mm) cotton cord	2.4 in (60 mm) wire loop
Affixes To	Any item with a loophole		
Housing Material	Polycarbonate		
Color	White		
Weight	0.04 oz (1.0 g)	0.02 oz (0.6 g)	0.02 oz (0.6 g)
CHEMICAL AND MECHANICAL			
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]		
Shock	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]		
THERMAL			
Storage	0° to +185° F (-40° to +85° C), 1000 h		
Operating Temperature	32° to +140° F (0° to +60° C)		
OTHER			
Standards	ISO 15693, ISO 18000-3		
Options	Custom embossed logo		
Warranty	2 Years		

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