

FIT Brick Tag

Miniature tag mount or embed discreetly to tools, equipment, medical instruments and more.



HID FIT Brick Tag HF passive contactless transponders easily integrate into RFID applications requiring discreet placement of small, featherweight tags that deliver sustainable performance.

The FIT Brick Tag ABS transponder is among the smallest HF tags available. The tags provide a programmable user memory, optionally usable for NFC applications. Additional cryptographic functions are optionally available to support security sensitive applications like product authentication against counterfeit goods.

Fit Brick tag withstand extreme temperatures, and provide high water, chemical and shock resistance. This device is also ideal for tool tracking, or cable inventory or other OEM applications that require robust, embeddable RFID tags. For long read-range on-metal RAIN UHF applications like tool tracking, see the HID FIT Ceramic Tag family on a separate data sheet.



KEY BENEFITS


- **Small footprints** – Embeddable in space-restricted applications.
- **Exceptional durability** – Withstand physical stress, are dust tight, and resistant to water, chemicals, acids and temperature extremes.
- **Versatility** – Available in HF (for UHF see HID FIT Ceramic Tags); may be customized to fit application requirements.

TECHNOLOGY HIGHLIGHTS:

- Resistant to chemicals, shock and vibration
- Tiny footprints
- Heat resistant
- Waterproof

APPLICATION AREAS:

- **Asset tracking and logistics**
 - Cable identification
 - Tool or weapon inventory and management
- **Medical and health**
 - Surgical instrumentation tracking
 - Medical equipment status and utilization

	FIT Brick Tag
	ABS
	ICODE SLIX2
	
Base Model Number	629903-012
	ELECTRONIC
Operating Frequency	13.56 MHz
Chip Type	ICODE SLIX2
Memory	2560 bit UM
Anti-Collision	Yes
Reading Distance	Proximity
	PHYSICAL
Dimensions	0.4 x 0.1 x 0.1 in (10 x 3 x 2.5 mm)
Mounting Method	Enclose
Affixes to	Any material
Housing Material	ABS coffin potted w/ epoxy
Color	Black
Weight	0.005 oz (0.15 g)
	CHEMICAL AND MECHANICAL RESISTANCE
Water	IP68, 68° F (20° C), 1 m x 24 h
Withstands Exposure To	Bleach, caustic soda, formic acid, gasoline, HCL, oil, salt water
Environmental Test Conditions	68° F (20° C), 100 h
Axial / Radial Force	500 N, 10 sec
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
Shock	IEC 60068-2-27:2008 [40 g, 18 ms, 6 axis, 2000 times]
Drop Test	100 x 1 m
Pressure	100 bar, 5 min
	THERMAL
Storage	-13° to +158° F (-25° to +70° C), 1 x 1000 h
Operating	-13° to +158° F (-25° to +70° C)
Shock/Fatigue	-13° to +158° F (-25° to +70° C), 200 x 5 min with 30 sec transition
Peak Temperature	284° F (140° C), 100 h
	OTHER
Standards	ISO 15693, 18000-3, NFC Tag Type 5 when NDEF formatted
Options	Alternative LF or HF integrated chips
Quantity Per Box	4,000 pcs.
Warranty	2 years



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2025-04-28-idt-rfid-fit-brick-tag-ds-en PLT-06741
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