World Tag[™]

Cost-effective, low frequency disc-shaped RFID tags for indoor applications



HID World Tag™ passive contactless transponders deliver reliable, cost-effective radio frequency identification (RFID) tag performance for light-duty, indoor applications.

World Tag devices are made of durable polycarbonate, protecting the electronics within. Each tag withstands manufacturing and processing temperatures of 212° F (100° C) or higher, enabling

encapsulation of World Tag transponders in a broad range of end-use housings or use as is.

Low frequency (LF) World Tag discs perform best affixed to wood, glass or plastic surfaces. They offer reliable, cost-effective tagging for near-proximity reader applications, with available data storage from a 64-bit user ID, up to 2048-bit read-write capability.

World Tag RFID tags are available in 20 mm, 30 mm and 50 mm diameters to match read range requirements, and are available with a variety of integrated chips.

For additional options, the heavy-duty HID IN Tag™, Epoxy Tag and Poly Tag families offer low frequency, high frequency and UHF configurations.



KEY BENEFITS:

- Cost-effective low cost discs deliver excellent size to performance ratios
- Versatile screw or glue mount securely to glass or plastic

TECHNOLOGY HIGHLIGHTS:

- · Operating frequency 125 kHz
- Peak temperature up to 212° F (100° C)
- Up to 256 bit
- · Polycarbonate housing
- · Mount-ready, via glue or screw hole



World Tag™





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

APPLICATION AREAS:

- · Asset tracking and logistics
 - Boxes, containers
 - Furniture
 - Equipment
- OEM service and maintenance
 - Repair schedules
 - Ownership logs

Name		World Tag™		
20 mm 30 mm		Hitag S		
Base Model Number 623102 623103		world Fac	TOTA TAG	
Part		20 mm	30 mm	
Operating Frequency 125 kHz Chip Type HITAG S Memory 256 bit EEPROM 256 bit EEPROM Anti-collision Yes Reading Distance Dependent upon reader, environment and application PHYSICAL Dimensions Ø 0.79 x 0.08 in (Ø 20 x 2.1 mm) Ø 1.18 x 0.08 in (Ø 30 x 2.1 mm) Mounting Method Glue, embed Screw Fixation Hole Size Ø 0.13 in (3.2 mm) Affixes To Glass, plastic, wood Housing Material PC Color Black Weight 0.03 oz (0.8 g) 0.07 oz (1.9 g) MECHANICAL RESISTANCE 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] Axial / Radial Force 500 N / 300 N, 10 sec THERMAL Storage -40" to +194" F (-40" to +90" C), 1000 h Operating -13" to +158" F (-25" to +70" C) So x 10 min with 30 sec tra	Base Model Number	623102	623103	
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Memory 256 bit EEPROM 256 bit EEPROM Anti-collision Yes Reading Distance PHYSICAL Dimensions Ø 0.79 x 0.08 in (Ø 20 x 2.1 mm) Ø 1.18 x 0.08 in (Ø 30 x 2.1 mm) Mounting Method Glue, embed Screw Fixation Hole Size Ø 0.13 in (3.2 mm) Affixes To Glass, plastic, wood Housing Material PC Color Black Weight 0.03 oz (0.8 g) 0.07 oz (1.9 g) MECHANICAL RESISTANCE Vibration IEC 682.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h] Shock Axial / Radial Force 500 N / 300 N, 10 sec THERMAL Storage -40° to +194° F (-40° to +90° C), 1000 h Operating -13° to +158° F (-25° to +70° C) Shock/Fatigue -13° to +158° F (-25° to +70° C), 50 x 10 min with 30 sec transition Peak 212° F (100° C), 100 h OTHER Box Size <t< th=""><th>Operating Frequency</th><th colspan="2">125 kHz</th></t<>	Operating Frequency	125 kHz		
Anti-collision Yes	Chip Type	HITAG S		
PHYSICAL Dimensions Ø 0.79 x 0.08 in (Ø 20 x 2.1 mm) Ø 1.18 x 0.08 in (Ø 30 x 2.1 mm) Mounting Method Glue, embed Screw Fixation Hole Size Ø 0.13 in (3.2 mm) Affixes To Glass, plastic, wood Housing Material PC Color Black Weight 0.03 oz (0.8 g) 0.07 oz (1.9 g) MECHANICAL RESISTANCE 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] Axial / Radial Force 500 N / 300 N, 10 sec THERMAL Storage -40° to +194° F (-40° to +90° C), 1000 h Operating -13° to +158° F (-25° to +70° C) Shock/Fatigue -13° to +158° F (-25° to +70° C), 50 x 10 min with 30 sec transition Peak 212° F (100° C), 100 h OTHER Box Size 2000 pcs 1000 pcs Options Custom printed logo	Memory	256 bit EEPROM	256 bit EEPROM	
Dimensions	Anti-collision	Yes		
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### Fixation Hole Size Ø 0.13 in (3.2 mm) Affixes To Glass, plastic, wood #### PC Color Black Ø 0.07 oz (1.9 g) ### MECHANICAL RESISTANCE 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] Axial / Radial Force 500 N / 300 N, 10 sec #### THERMAL Storage -40° to +194° F (-40° to +90° C), 1000 h Operating -13° to +158° F (-25° to +70° C) Shock/Fatigue -13° to +158° F (-25° to +70° C), 50 x 10 min with 30 sec transition Peak 212° F (100° C), 100 h OTHER Box Size 2000 pcs 1000 pcs Options Custom printed logo	Dimensions	Ø 0.79 x 0.08 in (Ø 20 x 2.1 mm)	Ø 1.18 x 0.08 in (Ø 30 x 2.1 mm)	
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Housing Material PC	Fixation Hole Size		Ø 0.13 in (3.2 mm)	
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### THERMAL Storage	Shock	IEC 60068-2-27:2008 [40 g, 18 ms, 6 axis, 2000 times]		
Storage -40° to +194° F (-40° to +90° C), 1000 h Operating -13° to +158° F (-25° to +70° C) Shock/Fatigue -13° to +158° F (-25° to +70° C), 50 x 10 min with 30 sec transition Peak 212° F (100° C), 100 h OTHER Box Size 2000 pcs Options Custom printed logo	Axial / Radial Force	500 N / 300 N, 10 sec		
Operating -13° to +158° F (-25° to +70° C) Shock/Fatigue -13° to +158° F (-25° to +70° C), 50 x 10 min with 30 sec transition Peak 212° F (100° C), 100 h OTHER Box Size 2000 pcs Options Custom printed logo		THERMAL		
Shock/Fatigue -13° to +158° F (-25° to +70° C), 50 x 10 min with 30 sec transition Peak 212° F (100° C), 100 h OTHER Box Size 2000 pcs Options Custom printed logo	Storage	-40° to +194° F (-40° to +90° C), 1000 h		
Peak 212° F (100° C), 100 h OTHER Box Size 2000 pcs 1000 pcs Options Custom printed logo	Operating	-13° to +158° F (-25° to +70° C)		
OTHER Box Size 2000 pcs 1000 pcs Options Custom printed logo	Shock/Fatigue	-13° to +158° F (-25° to +70° C), 50 x 10 min with 30 sec transition		
Box Size 2000 pcs 1000 pcs Options Custom printed logo	Peak	212° F (100° C), 100 h		
Options Custom printed logo		OTHER		
	Box Size	2000 pcs	1000 pcs	
Warranty 2 Years	Options	Custom printed logo		
	Warranty	2 Years		

