

# 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

	World Tag™	
	Hitag S	
		
	20 mm	30 mm
Base Model Number	623102	623103
	ELECTRONIC	
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)	
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	
Warranty	2 Years	

	World Tag			
	Q5		Unique	
				
	20 mm	30 mm	20 mm	30 mm
Base Model Number	612102	612103	601102-001	601103-001
	ELECTRONIC			
Operating Frequency	125 kHz			
Chip Type	Q5		Unique	
Memory	264 bit EEPROM		64 bit read-only	
Anti-collision				
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)	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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For further information, contact [tagsales@hidglobal.com](mailto:tagsales@hidglobal.com)



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