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 and 30 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

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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	**Q5**	**Unique**
			
	20 mm	**30 mm**	**30 mm**
Base Model Number	623102	612103	601103-001
	ELECTRONIC		
Operating Frequency	125 kHz		
Chip Type	HITAG S	Q5	Unique
Memory	256 bit EEPROM	264 bit EEPROM	64 bit read-only
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)	Ø 1.18 x 0.08 in (Ø 30 x 2.1 mm)
Mounting Method	Glue, embed	Screw	Screw
Fixation Hole Size		Ø 0.13 in (3.2 mm)	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)	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	500 N / 300 N, 10 sec	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		

For further information, contact tagsales@hidglobal.com

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