

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 68.2.29 [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		Titan	Unique		
						
	20 mm	30 mm	30 mm	20 mm	30 mm	50 mm
Base Model Number	612102	612103	602103	601102	601103	601104
ELECTRONIC						
Operating Frequency	125 kHz					
Chip Type	Q5		Titan	Unique		
Memory	264 bit EEPROM		1024 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 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)	Ø 1.97 x 0.08 in (Ø 50 x 2.1 mm)
Mounting Method	Glue, embed	Screw	Screw	Glue, embed	Screw	
Fixation Hole Size		Ø 0.13 in (3.2 mm)	Ø 0.13 in (3.2 mm)		Ø 0.13 in (3.2 mm)	Ø 0.17 in (4.2 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)	0.03 oz (0.8 g)	0.07 oz (1.9 g)	0.18 oz (5.2 g)
MECHANICAL RESISTANCE						
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]					
Axial / Radial Force	500 N / 300 N, 10 sec		500 N / 300 N, 10 sec	500 N / 300 N, 10 sec		500 N / 100 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	1000 pcs	2000 pcs	1000 pcs	250 pcs
Options	Custom printed logo					
Warranty	2 Years					

For further information, contact tagsales@hidglobal.com



hidglobal.com

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