





TECHNOLOGY HIGHLIGHTS:

- Operating frequency 125 kHz
- Peak temperature up to 266° F (130° C)
- Up to 2048 EEPROM
- Polycarbonate housing
- Mount-ready, via glue or screw hole

COST-EFFECTIVE, LOW FREQUENCY DISC-SHAPED RFID TAGS FOR INDOOR APPLICATIONS

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

HID Global 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.

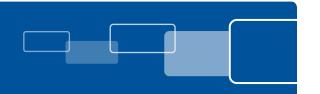
Low frequency (LF) World Tag discs perform best affixed to wood, glass or plastic surfaces. They offer reliable, cost-effective tagging for near-proximity reader applications, with available data storage from a 64-bit user ID, up to 2048-bit read-write capability.

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 heavyduty HID IN Tag™, Epoxy Tag and Poly Tag families offer low frequency, high frequency and UHF configurations.



World Tag™





SPECIFICATIONS

	World Tag								
	Hitag S								
	20 mm	30 1	mm	50 mm					
Base Model Number	623102	623103 624103		623104	624104				
ELECTRONIC									
Operating Frequency	125 kHz								
Chip Type	Hitag S								
Memory	256 bit EEPROM	256 bit EEPROM	2048 bit EEPROM	256 bit EEPROM	2048 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 (Ø 30 x		Ø 1.97 x 0.08 in (Ø 50 x 2.1 mm)					
Mounting Method	Glue, embed Screw								
Fixation Hole Size		Ø 0. (3.2 r	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)		0.18 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 / 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		266° F (130° C), 100 h	212° F (100° C), 100 h						
OTHER									
Options	Custom printed logo								
Warranty	2 Years								



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

SPECIFICATIONS

	World Tag									
	Q5		Titan		Unique	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	C	25	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	266° F (130° C), 100 h		266° F (130° C), 100 h	266° F (130° C), 100 h		212° F (100° C), 100				
OTHER										
Options	Custom printed logo									
Warranty	2 Years									



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