



WORLD TAG Titan - 20 mm

Chip type:	TITAN – 1 kbits R/W		* Test conditions and remarks
Physical:	Diameter:	20 mm ± 0.2 mm	
	Thickness:	2.15 mm ± 0.25 mm	
	Weight:	0.8g	
	Material:	Polycarbonate	
	Color:	Black	
Electrical:	Operating frequency:	125 kHz ± 6 kHz	* At room temperature
	Min. flux density:	30µT RMS	* At RT for read mode at 125 kHz
Chemical:	Water immersion IP 67		* 20°C, 35min, 1m
	Aqueous solution of salts		* 20°C, 100h
	Unleaded gasoline		* 20°C, 100h
	Petroleum		* 20°C, 100h
	Mineral and vegetable oil		* 20°C, 100h
Mechanical:	Axial compression:	500N	
	Radial compression :	300N	
	Vibration	IEC 68.2.6	* 10g, 10...2000Hz, 3 axis, 2.5h
	Shock	IEC 68.2.29	* 40g, 18ms, 6 axis, 2000 times
Thermal:	Storage:	-40°C to +90 °C	* 1x 1000h
		+130 °C	* 1x 100h
	Shock/fatigue:	-25°C to +70 °C	* 50x 10min with transition in 30s
	Operating:	-25°C to +70°C	
Part number:	602102		

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Public Use	Accomplishment : Final	Status : Released	DefKey : 8234



WORLD TAG Titan - 30 mm

Chip type:	TITAN – 1kbit R/W		* Test conditions and remarks
Physical:	Diameter:	30 mm ± 0.2 mm	
	Thickness:	2.15 mm ± 0.25 mm	
	Hole:	3.2 mm	
	Weight:	1.9g	
	Material:	Polycarbonate	
	Color:	Black	
Electrical:	Operating frequency:	125 kHz ± 6 kHz	* At room temperature
	Min. flux density:	15.5µT RMS	* At RT for read mode at 125 kHz
Chemical:	Water immersion IP 67		* 20°C, 35min, 1m
	Aqueous solution of salts		* 20°C, 100h
	Unleaded gasoline		* 20°C, 100h
	Petroleum		* 20°C, 100h
	Mineral and vegetable oil		* 20°C, 100h
Mechanical:	Axial compression:	500N	* 10s
	Radial compression :	300N	* 10s
	Vibration	IEC 68.2.6	* 10g, 10...2000Hz, 3 axis, 2.5h
	Shock	IEC 68.2.29	* 40g, 18ms, 6 axis, 2000 times
Thermal:	Storage:	-40°C to +90 °C	* 1x 1000h
		+130 °C	* 1x 100h
	Shock/fatigue:	-25°C to +70 °C	* 50x 10min with transition in 30s
	Operating:	-25°C to +70°C	
Part number:	602103		

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WORLD TAG Titan - 50 mm

Chip type:	TITAN – 1kBit R/W		* Test conditions and remarks
Physical:	Diameter:	50 mm ± 0.2 mm	
	Thickness:	2.2 mm ± 0.25 mm	
	Hole:	4.2 mm	
	Weight:	5.2g	
	Material:	Polycarbonate	
	Color:	Black	
Electrical:	Operating frequency:	125 kHz ± 6 kHz	* At room temperature
	Min. flux density:	7 μT RMS	* At RT for read mode at 125 kHz
Chemical:	Water immersion IP 67		* 20°C, 35min, 1m
	Aqueous solution of salts		* 20°C, 100h
	Unleaded gasoline		* 20°C, 100h
	Petroleum		* 20°C, 100h
	Mineral and vegetable oil		* 20°C, 100h
Mechanical:	Axial compression:	500N	* 10s
	Radial compression :	100N	* 10s
	Vibration	IEC 68.2.6	* 10g, 10...2000Hz, 3 axis, 2.5h
	Shock	IEC 68.2.29	* 40g, 18ms, 6 axis, 2000 times
Thermal:	Storage:	-40°C to +90 °C	* 1x 1000h
		+130 °C	* 1x 100h
	Shock/fatigue:	-25°C to +70 °C	* 50x 10min with transition in 30s
	Operating:	-25°C to +70°C	
Part number:	602104		

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