



WORLD TAG Hitag 1 - 20 mm

Chip type:	HITAG 1 – 2 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:	49µT 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:	608102		

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