

Data Sheet



LOGI TAG 160 H I-Code 13.56 MHz

Chip type:	I-Code 512 bit R/W		* Test conditions and remarks
Physical:	Diameter:	16 mm ± 0.1 mm	
	Thickness:	3 mm ± 0.1 mm	
	Weight:	0.9 g ± 0.1 g	
	Material:	Epoxy overmoulded	
	Color:	Black	
Electrical:	Operating frequency:	13.70 MHz ± 0.250 MHz	* At room temperature
	Q factor:	>40	* At room temperature
Chemical:	Water immersion IP68		* 20°C, 24h, 2m
	HCL (10%), gasoline,		* 20°C, 100h
	Bleach, formic acid,		* 20°C, 100h
	Caustic soda, oil		* 20°C, 100h
Mechanical:	Isostatic pression:	300 bars	* 5min
	Axial compression strength:	1000N	* 10s
	Radial compression strength:	1000N	* 10s
	Vibration	IEC 68.2.6	* 10g, 10...2000 Hz, 3 axis, 2.5h
	Schock	IEC 68.2.27	* 40g, 18ms, 6 axis, 2000 times
Thermal:	Storage:	-25°C to +120 °C	* 1x 1000h
		+160 °C	* 1x 35h
		+220 °C	* 1x 30s
	Shock/fatigue:	+20°C to +160 °C	* 100x 5min with transposition in 20s
	Operating:	-25°C to +85°C	
Application:	Typical laundry process qualified: Washing 40min (12min. at 90°C) Water press extraction 20 bars 3min. Spin dryer 10min. 175°C Tunnel finisher 10min 175°C		
Part number:	615106		

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 CLF 3.3.3.70 - V3 - 24.06.2004 - Released - DefKey : 11535

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