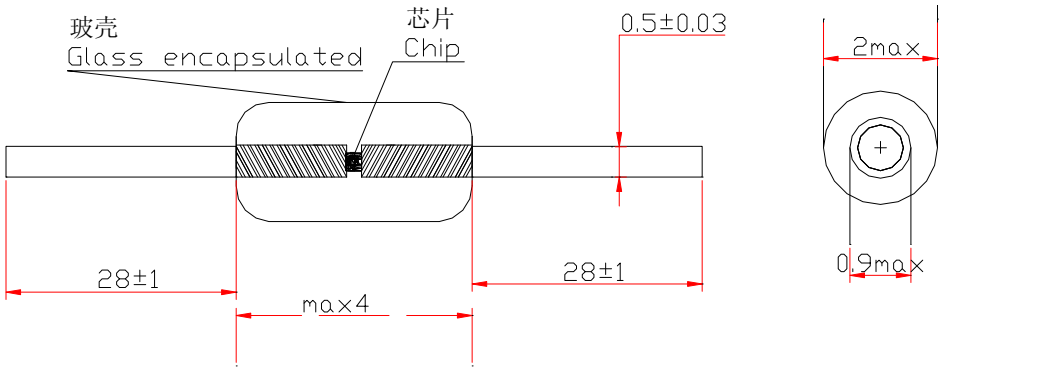
规格型号(PART NO.)	MF58-103J3950GA
文件编号(FILE NO.)	KAY-MF58-0240

1、Form dimension

（单位：mm）



2、Type

MF	58	103	J	3950	G	A
NTC Thermistor	Glass seires	resistance	tolerance	B Value	B tolerance	B sort
		10KΩ	±5%	3950K	±2%	B25/50

3、Electronic capability

No	item	express	Test condition	Min	Nomal	Max	Units
3-1.	resistance 25℃	R_{25}	Ta=25±0.05℃ P_T≦0.1mw	9.9	10	10.1	kΩ
3-2.	resistance 50℃	R_{50}	Ta=50±0.05℃ P_T≦0.1mw	/	3.5893	/	kΩ
3-3.	B Value	$B_{25/50}$	$B=LN\frac{R_{T1}}{R_{T2}}/(\frac{1}{T1}-\frac{1}{T2})$	3911	3950	3989	k
3-4.	Dissipation	σ	Ta=25±0.5℃	2.5	/	/	mw/℃
3-5.	Time constant	τ	Ta=25±0.5℃	/	/	15	sec
3-6.	Insulation R	/	500V_{DC}	50	/	/	MΩ
3-7.	Tem range	/	/	-30	/	+200	℃

4、Mechanical test

Item	Technical specification	Test condition and method
4-1. weldability	Solder flow free and best sokage on the lead，Sn area min 95%	Solder bath T:230±5℃，NTC lead 2-2.5mm t= 2±0.5S (along IEC60068-2-20 Ta/GB2423.28 Ta)
4-2. resistance to soldering heat	No visible damnification $\Delta R/R_{25} \leq \pm 2\%$	Solder bath T:230±5℃，NTC lead 2-2.5mm t= 2±0.5S (along IEC60068-2-20 Ta/GB2423.28 Tb)
4-3.Tensile strength of lead	No break off ΔR/R25≤2%	Test Ua：pull=10N，Duration t=10S； Test Ub：band 90 degree，pull=5N，twice； (along IEC60068-2-21 / GB2423.29 U)

5、The reliability tests

No	Item	Technical specification	Test condition and method
5-1.	Upper category temperature	ΔR/R25≤±2%	T=200±5℃，Duration t=1000±24h，DC0.2mA （along IEC60068-2-2/GB2423.2）
5-2.	Low category temperature	ΔR/R25≤±2%	T=-40±5℃，Duration t=1000±24h，DC0.2mA （along IEC60068-2-1/GB2423.1）
5-3.	Damp heat and steady state	ΔR/R25≤±2%	T=40±2℃,90%-95%RH t= 1000±24h （along IEC60068-2-3/GB2423.3）
5-4.	Rapid change of temperature	ΔR/R25≤±2%	–40℃×30min→80℃×5min→200℃×30min→80℃×5min， cycles ： 5 time （along IEC60068-2-14/GB2423.22）

6、Use regulation

6-1、minimum lead length≧8mm。

6-2、Keep the lead flexure clicks away the end of glass minimum 2mm