

SPECIFICATION FOR APPROVAL

承认书

客户名称 (CUSTOMER) :

产品名称 (PRODUCT ITEM) : PTC temperature sensor

客户料号 (CUSTOMER PART NO) :

规格型号 (PART NO) : KTY81-110

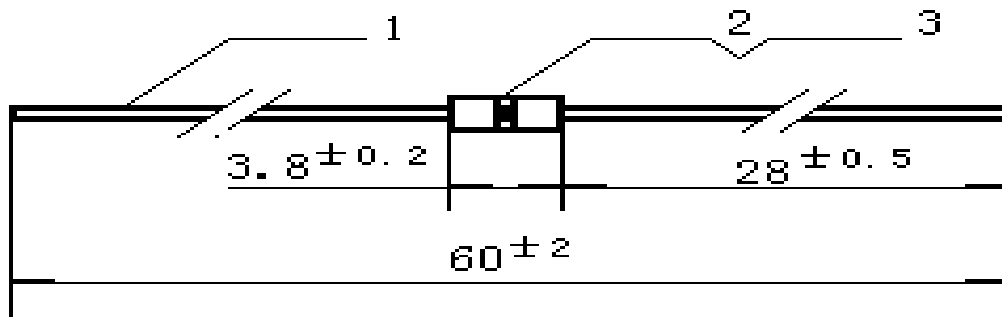
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客户确认 (CUSTOMER CONFIRM)	批准 (APPROVE)
	审核 (CHECK)

1. Dimensions (glass package)

Unit:mm



No.	Name	Material Specification
1	Dumet	Nickel-copper alloy
2	Chip	Silicon chip
3	Glass bulb	$\Phi 2.0\text{mm}_{\text{max}}$, $\Phi 0.8 \pm 0.05\text{mm}$

2. Electrical parameter

No.	Electrical parameter	Symbol	Test condition	MIN	TYP	MAX	Unit
1	Resistance value (25°C)	R_{25}	$25 \pm 0.05^\circ\text{C}$	990	1000	1010	Ω
2	Resistance value(100°C)	R_{100}	$100 \pm 0.05^\circ\text{C}$	/	/	/	Ω
3	Dissipation factor	δ	Still air	1.5	/	/	mW/°C
4	Thermal time constant	τ	Still air	/	/	7	s
5	Insulation resistance	/	DC=100V	100	/	/	M Ω
6	Maximum operating current	I_{max}	/	/	/	8	mA
7	Rated operational current	I_N	/	/	5	/	mA
8	Rated power	P_{max}	/	/	/	50	mW
9	Operating temperature	T_A	-55—+150°C				
10	Storage time	T_{min}	2 years (RT, <60%RH)				

Centigrade	Fahrenheit	KTY81-110				
		%/(K)	(Ω)			(K)
MIN	TYP		MAX			
-55	-67	0.99	475	490	505	±3.02
-50	-58	0.98	500	515	530	±2.92
-40	-40	0.96	552	567	582	±2.74
-30	-22	0.93	609	624	638	±2.55
-20	-4	0.91	669	684	698	±2.35
-10	14	0.88	733	747	761	±2.14
0	32	0.85	802	815	828	±1.91
10	50	0.83	874	886	898	±1.67
20	68	0.80	950	961	972	±1.41
25	77	0.79	990	1000	1010	±1.27
30	86	0.78	1029	1040	1051	±1.39
40	104	0.75	1108	1122	1136	±1.64
50	122	0.73	1192	1209	1225	±1.91
60	140	0.71	1278	1299	1319	±2.19
70	158	0.69	1369	1392	1416	±2.49
80	176	0.67	1462	1490	1518	±2.8
90	194	0.65	1559	1591	1623	±3.12
100	212	0.63	1659	1696	1733	±3.46
110	230	0.61	1762	1805	1847	±3.83
120	248	0.58	1867	1915	1963	±4.33
125	257	0.55	1919	1970	2020	±4.66
130	266	0.52	1970	2023	2077	±5.07
140	284	0.45	2065	2124	2184	±6.28
150	302	0.35	2145	2211	2277	±8.55