

Thermal switch test report

Temperature Characteristic Test	Batch number: 1 Part Name: KSD 05PC 110℃ Spec: Normal Close Date: 2022-07-04															
	Samples: 50pcs Operating temp.: 105.0-115.0 Reset temp.: 60.0-90.0 Test time: 09: 08: 37															
	1	107.3	2	113.1	3	110.4	4	112.5	5	112.8	6	111.4	7	112.5	8	109.5
		72.7		72.7		73.7		74.7		74.1		77.2		79.1		78.8
	9	112.5	10	112.9	11	112.5	12	110	13	111.6	14	110.3	15	110.7	16	112.3
		75.1		75.3		76.7		76.3		79.9		81.5		78.2		75.8
	17	111	18	111.5	19	108	20	112.3	21	110	22	109.9	23	112.8	24	112.1
		76.7		76.3		74.7		85		76.7		73.4		78.8		71.9
	25	112.1	26	112.5	27	108.9	28	110.7	29	110.1	30	111	31	109.7	32	111.4
		72.4		73.7		76.9		74.8		71.9		73.1		71.8		75.1
33	110.2	34	110.3	35	110.3	36	107.4	37	107.2	38	110.2	39	107.1	40	111.8	
	73.9		78.8		77.2		77.8		72.0		72		77.8		75.1	
41	109.1	42	112	43	112	44	112.5	45	109.7	46	109.7	47	110.7	48	112.1	
	74.7		72.6		75.5		74.9		73.1		74.4		78		72.2	
49	112.5	50	109													
	73.5		75.5													
Statistics		Lowest		Highest		Average		Sample QTY		NG		Qualified		Qualification rate		
Action Temp.		107.1		113.1		110.8		50		0		50		100%		
Reset Temp.		71.8		85.0		75.5		50		0		50		100%		

Resistance Test	Contact resistance (mΩ)	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17	18	19	20
	≤50	11.9	12.2	12.3	12.1	12.2	12.2	11.9	11.8	12.2	12.3	12.1	12.2	12.3	12.2	12.3	12.2	11.9	11.8	12.1	12.2

Electrical Performance	Electrical strength	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1500VAC 0.5mA 1min	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	insulation resistance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	>5MΩ (DC500V Megger)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Figure

Dimension Measurement	No.	standard	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	①	15.5±0.5	15.51	15.52	15.53	15.55	15.48	15.52	15.52	15.53	15.53	15.51	15.49	15.48	15.52	15.49	15.48	15.49	15.49	15.51	15.52	15.53
	②	7.1±0.2	7.09	7.09	7.08	7.1	7.11	7.09	7.1	7.11	7.12	7.1	7.09	7.08	7.09	7.1	7.09	7.08	7.09	7.1	7.09	7.08
	③	3.5±0.2	3.52	3.52	3.52	3.51	3.51	3.52	3.52	3.52	3.51	3.52	3.51	3.52	3.51	3.53	3.52	3.51	3.52	3.51	3.53	3.52
	④	70±3	70.1 70.2	70.4 70.3	69.9 70.1	70.1 70.2	70.3 70.2	70.1 70.1	70.0 70.1	69.9 70.0	70.2 70.2	70.0 70.2	70.1 70.1	70.2 70.1	70.2 70.1	70.2 70.2	70.0 70.2	70.3 70.2	70.3 70.1	70.2 70.2	70.1 70.0	70.2 70.2
	⑤	7±1	7.2 7.1	6.8 6.9	7.1 7.0	7.0 7.3	7.1 7.1	7.2 7.2	7.2 7.1	7.1 7.1	7.0 7.2	7.1 7.0	7.2 7.1	7.1 7.1	7.2 7.3	7.2 7.2	7.2 7.0	7.2 7.3	7.2 7.2	7.1 7.2	7.1 7.2	7.1 7.1
	⑥	22AWG UL3135 White	Meet the requirements																			
	⑦	Tin	Meet the requirements																			