

产品承认书

PRODUCT SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER NAME	
客户料号 P/N OF CUSTOMER	
承认字号 APPROVAL NO.	
产品名称 PRODUCT NAME	敏感型负温度系数热敏电阻 (传感器) SN NTC THERMISTOR
规格型号 TYPE SPECIFICATION	SNS103B ₂ 3435FX1S300ETW 30
承认书版本号 APPROVAL SHEET VERSION	1.0
承认日期 DATE OF APPROVAL	

供 应 商 SUPPLIER		
制 定 DESIGNED	审 核 CHECKED	批 准 APPROVED
供应商品管部印鉴 SUPPLIER QA SEAL		

客 户 CUSTOMER		
检 验 INSPECTED	审 核 CHECKED	批 准 APPROVED
客户承认印鉴 CUSTOMER APPROVAL SEAL		



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1、规格型号 PART IDENTIFICATION

SN S 103 B₂ 3435 F X I S 300 E TW 30
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

① 产品别 PART NUMBER ENTIFICATION	SN 指敏感型负温度系数热敏电阻;
	SN INDICATES SMD NTC THERMISTOR
② 系列别 DIMENSION (L×W×T) (MM)	S 指传感器;
	S-FINGER SENSOR
③ 产品阻值 (25℃零功率电阻值) PRODUCTION RESISTANCE (ZERO POWER RESISTANCE AT 25°C)	103指10KΩ
	103 MEANS 10KΩ
④ B 值代码 B-VALUE CODE	B ₂ 指 25/85
	B ₂ means 25/85
⑤ B 值数值 B-VALUE TOLERANCE	3435 指B 值为 3435K;
	B3435 INDICATE 3435K
⑥ 阻值误差 PACKAGING STYLE	F 指±1.5%;
	F INDICATES ±1.5%
⑦ 头部外观结构 HEAD APPEARANCE STRUCTURE	X 指扁平部位带圆型螺丝孔的端子;
	X REFERS TO THE FLAT PART OF THE TERMINAL WITH A ROUND SCREW HOLE.
⑧ 线材颜色 WIRE COLOR	1指线材颜色为黑色
	THE COLOR OF THE FINGER WIRE IS BLACK
⑨ 线材规格 WIRE SPECIFICATION	S 指 UL2651 #24 并线;
	S REFERS TO UL2651 #24 PARALLEL LINES

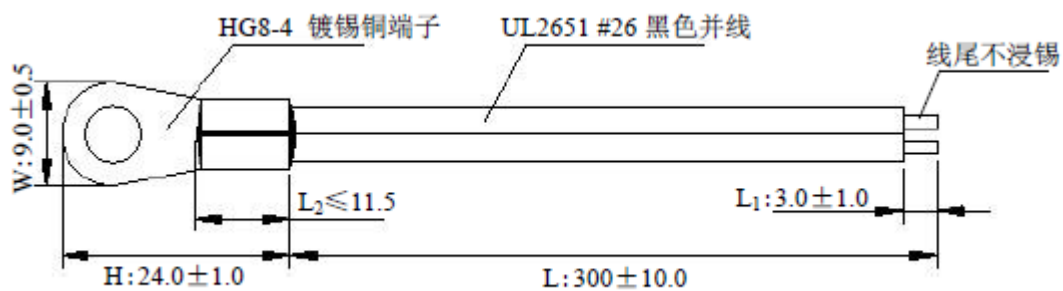
⑩ 线材长度 WIRE LENGTH	300 指产品总长度为 300mm（除端子外如图 2.2）
	THE TOTAL LENGTH OF 300 FINGERS IS 300MM (EXCEPT THE TERMINAL,AS SHOWN IN FIGURE 2.2) .
⑪ 环保产品 ENVIRONMENTAL PROTECTION PRODUCTS	E表示环保;
	E IS FOR ENVIRONMENTAL PROTECTION
⑫ 特殊定义 SPECIAL DEFINITION	TW 指产品头部带 HG8-4 镀锡铜端子;
	TW REFERS TO THE PRODUCT HEAD WITH HG8-4 TINNED COPPER TERMINAL.
⑬ 线尾剥线长度 STRIP LENGTH OF WIRE TAIL	30 指产品线尾剥线长度 3.0mm.
	30 FINGERS PRODUCT LINE TAIL STRIP LENGTH 3.0MM.

2、产品特性 PRODUCTION FEATURES

2.1 技术参数 TECHNICAL PARAMETER

规格型号 PART NO.	额定零功率 电阻值 ZERO POWER RESISTANCE AT 25°C R25(Ω)	B 值常数 B-CONSTANT 25/50°C(K)	耗散系数 DISSIPATION FACTOR (mw/°C)	热时间常数 (S) THERMAL TIME CONSTANT	额定功率 Max. POWER RATING AT 25°C(mw)	工作温度范围 OPERATING TEMPERATURE RANGE (°C)
SNS103B ₂ 3435FX1S300ETW 30	10K	3435	≥2.5	≤70	150	-40 ~ 105

2.2 外形尺寸、材质 PRODUCTION DIMENSION、MATERIAL



(单位UNIT: MM)

3、检验规则 INSPECTION REGULATIONS

3.1 出厂检验 DELIVERY INSPECTION

序号 SEQUENCE	检验项目 ITEMS	检验方法 METHOD	性能要求 PERFORMANCE REQUIREMENTS
(1)	R ₂₅	将待测品置于 25℃高精度油槽内稳定后测量 IMMERSE SAMPLES IN A 50℃ HIGH-PRECISION OIL TANK AND MEASURE IT	10KΩ±1.5%
(2)	B _{25/50}	将待测品置于 25℃、85℃高精度油槽内稳定后测量 IMMERSE SAMPLES IN A 25℃,85℃ HIGH-PRECISION OIL TANK AND MEASURE IT HIGH PRECISION OIL TANK	3435K±1.5%
(3)	外观 APPEARANCE	目测 VISUAL INSPECTION	产品符合2.2的外形要求，无针孔、氧化、烫伤等 THE PRODUCT MEETS THE APPEARANCE REQUIREMENTS OF 2.2,WITHOUT PINHOLES,OXIDATION,BURNS,ETC
(4)	尺寸 DIMENSION	用精度不小于 0.01MM 的卡尺测量 MEASURE WITH CALIPER WITH AN ACCURACY OF 0.01MM	符合图 2.2 的外形尺寸 MEETS THE SHAPE REQUIREMENTS OF THE DRAWING 2.2
(5)	耐压测试 LEAKAGE CURRENT	耐压WITHSTAND VOLTAGE: 1000V _{DC} 漏电流 0.5Ma 时间TIME: 3	无击穿 NO BREAKDOWN

3.2 型式检验PATTERN INSPECTION

序号 SEQUENCE	检验项目 ITEMS	检验标准 STANDARD	检验方法 INSPECTION METHOD	性能要求 PERFORMANCE REQUIREMENTS
(1)	跌落 FALL	IEC68-2-32	跌落高度HEIGHT OF FALL: 1±0.1m 跌落次数NUMBER OF DROPS: 1 跌落面FALLING SURFACE: 水泥 CEMENT	无外观损伤 NO COSMETIC DAMAGE $\Delta R_{25}/R_{25}$ ≤1% $\Delta B/B$ ≤2%
(2)	湿热负载 DAMP-HEAT LOAD	IEC68-2-2/ IEC68-2-3 /CNS5550	温度TEMPERATURE: 40±2°C; 湿度HUMIDITY: 90 ~ 95%RH; 时间 TIME: 500±12h; 工作电流 OPERATING CURRENT	无外观损伤 NO COSMETIC DAMAGE $\Delta R_{25}/R_{25}$ ≤5% $\Delta B/B$ ≤2%
(3)	高温负载 HIGHT TEMPERATURE LOADS	IEC68-2-2/ /CNS5550	温度TEMPERATURE: 105±2°C 时间TIME: 1000±24h;	无外观损伤 NO COSMETIC DAMAGE $\Delta R_{25}/R_{25}$ ≤5% $\Delta B/B$ ≤2%
(4)	冷热冲击 HOT AND COLD SHOCKS	EC68-2-14	温度 TEMPERATURE: - 40±105°C; 周期 TIME:100,30min/cyc	无外观损伤NO COSMETIC DAMAGE $\Delta R_{25}/R_{25}$ ≤5% $\Delta B/B$ ≤2%
(5)	低温存储 LOW TEMPERATURE STORAGE	IEC68-2-1	温度 TEMPERATURE: - 40±2°C; 时间 TIME:1000±24 H	无外观损伤NO COSMETIC DAMAGE $\Delta R_{25}/R_{25}$ ≤2% $\Delta B/B$ ≤2%
(6)	耐久性 ENDURANCE	UL1434	环境温度ENVIRONMENTAL TEMPERATURE:25±2°C; 工作电流 OPERATING CURRENT 周期 CYCLE:6000	无外观损伤NO COSMETIC DAMAGE $\Delta R_{25}/R_{25}$ ≤5% $\Delta B/B$ ≤2%

4、包装、贮存 PACKAGE & STORAGE

4.1 包装 PACKAGE

序号 SEQUENCE	包装方式 PACKAGING	包装材料、尺寸 PACKAGING MATERIAL & DIMENSION	产品数量 PART QUANTITY
(1)	包装袋 PACKING BAG	热封口袋 HEAT SEALED POCKET,	1000PCS
(2)	外包装箱 PACKAGING	纸箱 CARTON, L×W×H=370mm×205mm×215mm	200PCS

4.2 贮存 STORAGE

产品密封保存，存放产品的仓库环境温度 -10℃ ~ +40℃、相对湿度不大于 70%，仓库内不允许有各种有害气体、易爆的产品及有腐蚀性的化学物品，并且无强烈的机械振动、冲击和强辐射的作用，包装箱应垫高地面至少 20cm，距离墙壁、热源、冷源、窗口或空气入口至少 50cm。

- THIS PRODUCT MUST BE KEPT SEALED.
- STORE IN AN ORDINARY ENVIRONMENT (NORMAL ROOM TEMPERATURE, HUMIDITY AND ATMOSPHERIC PRESSURE).
- STORAGE TEMPERATURE: -10℃~+40℃
- RELATIVE HUMIDITY: ≤70%RH.
- KEEP AWAY FROM CORROSIVE GASES, DEOXIDIZING GAS, FLAMMABLE GAS OR DIRECT SUNLIGHT.
- AVOID STRONG MECHANICAL VIBRATION, SHOCK.
- THE PACKING BOX SHOULD BE RAISED AT LEAST 20CM ABOVE THE GROUND AND AT LEAST 50CM AWAY FROM THE WALL, HEAT SOURCE, COLD SOURCE, WINDOWS OR AIR INLET.
- ABNORMAL STORAGE AND OPERATING CONDITIONS MAY CAUSE MALFUNCTION FUNCTION OR FAILURE OF OUR PRODUCTS.

5、电阻 – 温度特性表 RESISTANCE-TEMPERATURE CHARACTERISTIC TABLE

 $R_{25}=10K \pm 1.5\%$
 $B25/85=3435 \pm 1.5\%$

T(°C)	RLow(KΩ)	RCenter(KΩ)	RHigh(KΩ)	T(°C)	RLow(KΩ)	RCenter(KΩ)	RHigh(KΩ)
-40	207.7052	220.8889	234.8564	0	27.1239	27.9650	28.8257
-39	195.8406	208.0846	221.0445	1	25.9621	26.7494	27.5543
-38	184.7408	196.1166	208.1460	2	24.8575	25.5943	26.3470
-37	174.3515	184.9244	196.0944	3	23.8067	24.4962	25.2001
-36	164.6222	174.4525	184.8283	4	22.8069	23.4522	24.1103
-35	155.5064	164.6495	174.2910	5	21.8554	22.4591	23.0744
-34	146.9614	155.4682	164.4304	6	20.9494	21.5143	22.0894
-33	138.9474	146.8649	155.1986	7	20.0866	20.6150	21.1525
-32	131.4280	138.7994	146.5512	8	19.2646	19.7588	20.2611
-31	124.3693	131.2344	138.4473	9	18.4814	18.9435	19.4128
-30	117.7399	124.1355	130.8490	10	17.7347	18.1667	18.6051
-29	111.5109	117.4708	123.7215	11	17.0228	17.4266	17.8359
-28	105.6555	111.2110	117.0324	12	16.3437	16.7210	17.1032
-27	100.1487	105.3288	110.7520	13	15.6958	16.0483	16.4050
-26	94.9675	99.7989	104.8524	14	15.0776	15.4067	15.7396
-25	90.0905	94.5978	99.3082	15	14.4874	14.7946	15.1050
-24	85.4979	89.7039	94.0957	16	13.9238	14.2105	14.4999
-23	81.1712	85.0971	89.1927	17	13.3855	13.6529	13.9226
-22	77.0933	80.7585	84.5789	18	12.8712	13.1205	13.3717
-21	73.2483	76.6710	80.2355	19	12.3797	12.6120	12.8458
-20	69.6214	72.8183	76.1447	20	11.9098	12.1262	12.3438
-19	66.1988	69.1854	72.2904	21	11.4606	11.6620	11.8643
-18	62.9677	65.7584	68.6573	22	11.0309	11.2182	11.4062
-17	59.9162	62.5243	65.2312	23	10.6199	10.7940	10.9684
-16	57.0331	59.4711	61.9992	24	10.2265	10.3882	10.5500
-15	54.3081	56.5874	58.9490	25	9.8500	10.0000	10.1500
-14	51.7316	53.8628	56.0692	26	9.4788	9.6286	9.7785
-13	49.2944	51.2875	53.3492	27	9.1236	9.2731	9.4228
-12	46.9882	48.8524	50.7792	28	8.7838	8.9327	9.0821
-11	44.8052	46.5491	48.3499	29	8.4586	8.6068	8.7556
-10	42.7380	44.3694	46.0528	30	8.1473	8.2946	8.4427
-9	40.7797	42.3062	43.8799	31	7.8492	7.9955	8.1427
-8	38.9239	40.3523	41.8237	32	7.5637	7.7089	7.8551
-7	37.1647	38.5014	39.8772	33	7.2902	7.4342	7.5793
-6	35.4964	36.7474	38.0339	34	7.0281	7.1708	7.3147
-5	33.9137	35.0846	36.2877	35	6.7768	6.9182	7.0608
-4	32.4119	33.5077	34.6328	36	6.5360	6.6759	6.8172
-3	30.9861	32.0118	33.0641	37	6.3050	6.4434	6.5833
-2	29.6322	30.5923	31.57763	38	6.0835	6.2203	6.3587

-1	28.3460	29.2447	30.1650	39	5.8710	6.0061	6.1430
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