

负温度热敏电阻

[SMD 贴片类]



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1. 型号命名

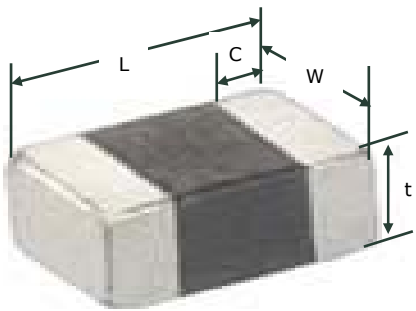
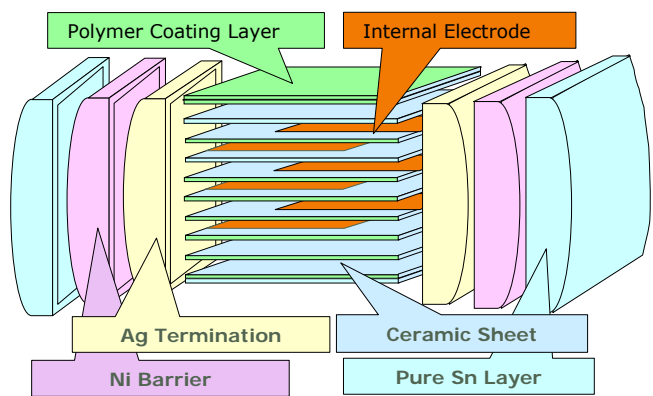
ex) ECTH 100505 103 J 3435 H B
 ① ② ③ ④ ⑤ ⑥ ⑦

Code		Description	Remark
①	Product	NTC Thermistor	
②	Series	100505 : L1.0mm * W 0.5mm * t 0.5mm	
③	R@25℃	103 : $10 * 10^3 [\Omega]$, nominal resistance	
④	R Tolerance	F : $\pm 1\%$, G : $\pm 2\%$, H : $\pm 3\%$, J : $\pm 5\%$	
⑤	B25℃/85℃	3435K	
⑥	B Tolerance	F : $\pm 1\%$, G : $\pm 2\%$, H : $\pm 3\%$, J : $\pm 5\%$	
⑦	Packing	B : Bulk T : Reel taping	

2. 特性

- ① 高精度度且对应高B值
- ② 在电极端无铅成分
- ③ 对静电放射有很强的抵制作用
- ④ 独创性的封装技术保证产品环保性和可靠性

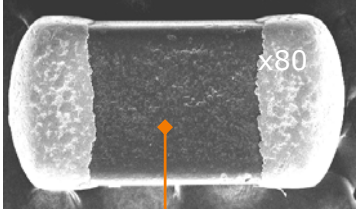
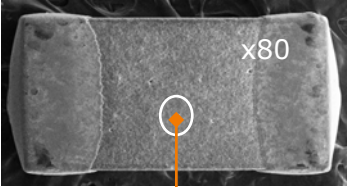
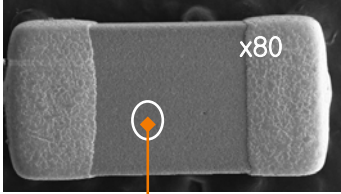
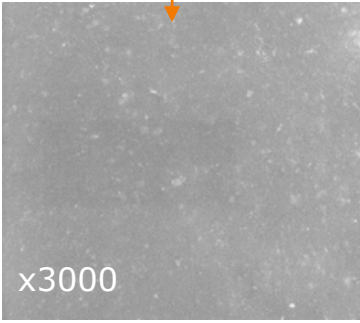
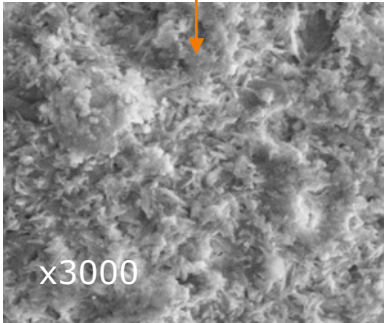
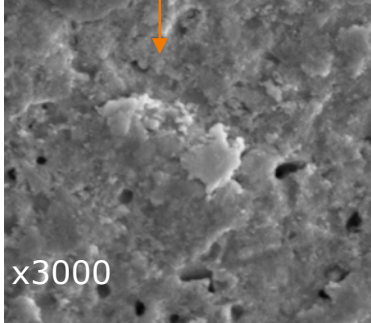
3. 结构 & 尺寸



Unit : mm

Size	L	W	t	C
1005	1.00 ± 0.05	0.50 ± 0.05	0.50 ± 0.05	0.25 ± 0.10
1608	1.60 ± 0.10	0.80 ± 0.10	0.80 ± 0.10	0.40 ± 0.20
2012	2.00 ± 0.20	1.25 ± 0.20	0.80 ± 0.20	0.50 ± 0.20

* 树脂封装与玻璃封装的比较图

种类	树脂封装	玻璃封装	无封装
产 品			
表 面			
关 键 差 异	<div>1. 树脂蒸发程序</div> <div>2. 全身细腻封装 [100% 封装]</div> <div>3. 封装光滑柔顺</div> <div>4. 最佳的稳定性可靠性</div>	<div>1. 玻璃融化程序</div> <div>2. 因未融化的玻璃粉末而形成窟窿 [不能全身封装]</div> <div>3. 封装层脆弱易碎</div> <div>4. 一般的稳定性可靠性</div>	<div>1. 无封装程序</div> <div>2. 在镀金程序陶瓷被腐蚀</div> <div>3. 品质下降危险较大</div> <div>4. 低的稳定性可靠性</div>

4. 规格

1005（0402）系列

No	Part No	R25℃[Ω]	B[25℃/85℃]	B tolerance	Operating Temperature
1	ECTH 100505 220_3150_T	22	3150K	±3%	-40℃ ~ 125℃
2	ECTH 100505 300_3150_T	30	3150K	±3%	
3	ECTH 100505 470_3150_T	47	3150K	±3%	
4	ECTH 100505 102_4100_T	1.0kΩ	4100K	±3%	-40℃ ~ 125℃
5	ECTH 100505 152_4100_T	1.5kΩ	4100K	±3%	
6	ECTH 100505 202_4100_T	2.0kΩ	4100K	±3%	
7	ECTH 100505 222_4100_T	2.2kΩ	4100K	±3%	-40℃ ~ 125℃
8	ECTH 100505 472_4100_T	4.7kΩ	4100K	±3%	
9	ECTH 100505 103_3435_T	10kΩ	3435K	±1%, ±2%, ±3%	-40℃ ~ 125℃
10	ECTH 100505 103_3670_T	10kΩ	3670K	±3%	-40℃ ~ 125℃
11	ECTH 100505 103_4100_T	10kΩ	4100K	±3%	-40℃ ~ 125℃
12	ECTH 100505 223_3800_T	22kΩ	3800K	±3%	-40℃ ~ 125℃
13	ECTH 100505 473_4100_T	47kΩ	4100K	±3%	-40℃ ~ 125℃
14	ECTH 100505 683_3800_T	68kΩ	3800K	±3%	-40℃ ~ 125℃
15	ECTH 100505 683_4100_T	68kΩ	4100K	±3%	-40℃ ~ 125℃
16	ECTH 100505 104_4100_T	100kΩ	4100K	±3%	
17	ECTH 100505 154_4100_T	150kΩ	4100K	±3%	
18	ECTH 100505 474_4100_T	470kΩ	4100K	±1%, ±2%, ±3%	-40℃ ~ 125℃
19	ECTH 100505 474_4750_T	470kΩ	4750K	±3%	
20	ECTH 100505 684_4750_T	680kΩ	4750K	±3%	
21	ECTH 100505 105_4750_T	1.0MΩ	4750K	±3%	-40℃ ~ 125℃

1608（0603）系列

No	Part No	R25℃[Ω]	B[25℃/85℃]	B tolerance	Operating Temperature
1	ECTH 160808 220_3050_T	22	3050K	±3%	-40℃ ~ 125℃
2	ECTH 160808 300_3050_T	30	3050K	±3%	
3	ECTH 160808 470_3050_T	47	3050K	±3%	
4	ECTH 160808 680_3050_T	68	3050K	±3%	
5	ECTH 160808 101_3150_T	100	3150K	±3%	-40℃ ~ 125℃
6	ECTH 160808 101_2800_T	100	2800K	±3%	-40℃ ~ 125℃
7	ECTH 160808 471_3250_T	471	3250K	±3%	-40℃ ~ 125℃
8	ECTH 160808 681_3250_T	680	3250K	±3%	-40℃ ~ 125℃
9	ECTH 160808 102_4100_T	1.0kΩ	4100K	±3%	-40℃ ~ 125℃
10	ECTH 160808 202_4550_T	2.0kΩ	4550K	±3%	-40℃ ~ 125℃
11	ECTH 160808 472_4100_T	4.7kΩ	4100K	±3%	-40℃ ~ 125℃
12	ECTH 160808 103_3435_T	10kΩ	3435K	±1%, ±2%, ±3%	-40℃ ~ 125℃
13	ECTH 160808 103_3800_T	10kΩ	3800K	±3%	-40℃ ~ 125℃
14	ECTH 160808 103_4100_T	10kΩ	4100K	±3%	-40℃ ~ 125℃
15	ECTH 160808 223_4100_T	22kΩ	4100K	±3%	
16	ECTH 160808 473_4100_T	47kΩ	4100K	±3%	
17	ECTH 160808 683_4100_T	68kΩ	4100K	±3%	
18	ECTH 160808 104_4100_T	100kΩ	4100K	±3%	
19	ECTH 160808 154_4100_T	150kΩ	4100K	±3%	
20	ECTH 160808 204_4100_T	200kΩ	4100K	±3%	
21	ECTH 160808 474_4100_T	470kΩ	4100K	±1%, ±2%, ±3%	-40℃ ~ 125℃
22	ECTH 160808 474_4750_T	470kΩ	4750K	±3%	
23	ECTH 160808 684_4750_T	680kΩ	4750K	±3%	
24	ECTH 160808 105_4750_T	1.0MΩ	4750K	±3%	

2012 (0805) 系列

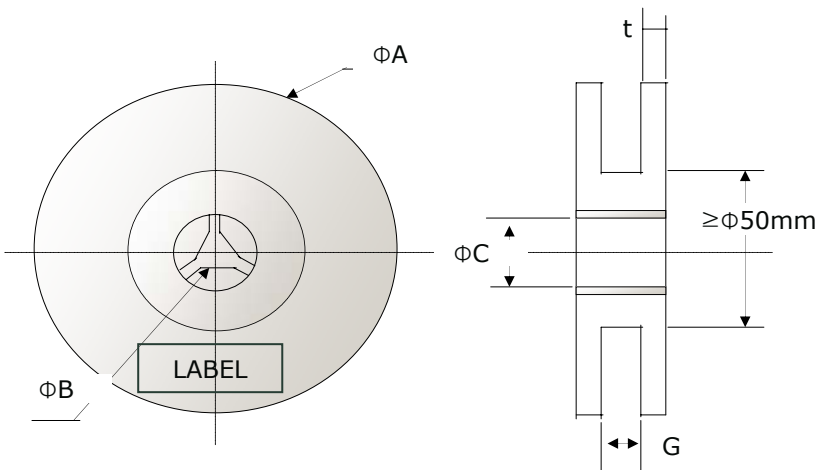
No	Part No	R25℃[Ω]	B[25℃/85℃]	B tolerance	Operating Temperature
1	ECTH 201208 471_3250_T	470	3250K	±3%	-40℃ ~ 125℃
2	ECTH 201208 681_3250_T	680	3250K	±3%	
3	ECTH 201208 222_4100_T	2.2kΩ	4100K	±3%	-40℃ ~ 125℃
4	ECTH 201208 103_3435_T	10kΩ	3435K	±1%, ±2%, ±3%	-40℃ ~ 125℃
5	ECTH 201208 473_3800_T	47kΩ	3800K	±3%	-40℃ ~ 125℃
6	ECTH 201208 683_3800_T	68kΩ	3800K	±3%	
7	ECTH 201208 104_4100_T	100kΩ	4100K	±1%, ±2%, ±3%	-40℃ ~ 125℃
8	ECTH 201208 154_3800_T	150kΩ	3800K	±3%	-40℃ ~ 125℃

6. 包装

1) 标签 & 塑料线圈

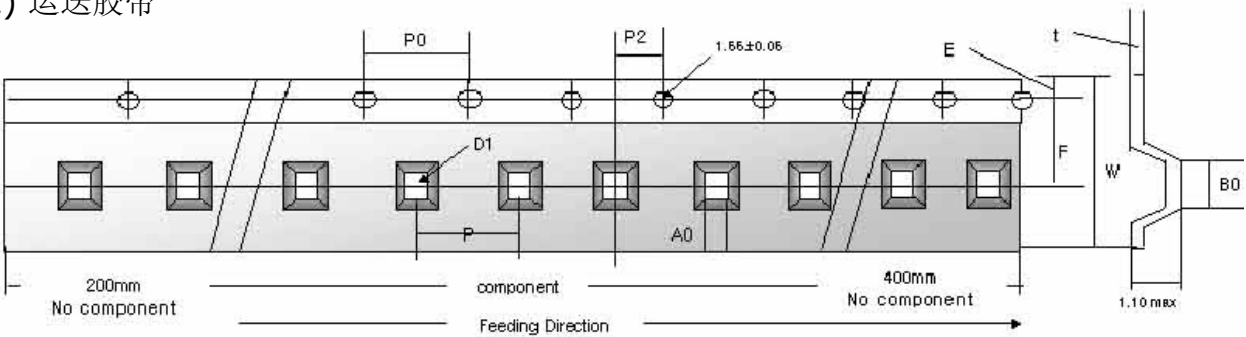
- Label -

- 1) Part Number
- 2) Lot Number
- 3) Quantity
- 4) Sequence No.
- 5) Inspector
- 6) Inspection Date
- 7) Manufacture



ΦA	ΦB	ΦC	G	t
178±2.0	13.0±0.5	22.0±2.0	10.0±1.5	2.5±0.5

2) 运送胶带



Size	A0	B0	W	D1	E	F	P	P0	P2
1005	0.65±0.10	1.15±0.10	8.00±0.20	1.50±0.25	1.75±0.10	3.50±0.50	4.0±0.10	4.0±0.10	2.0±0.10
1608	1.10±0.10	1.90±0.10							
2012	1.50±0.10	2.35±0.10							

3) 线圈包装

Dimension	100505	160808	201208	Carrier Tape
pcs/reel	10,000	4,000	4,000	Paper