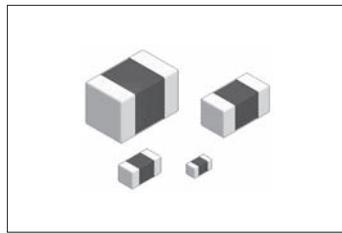
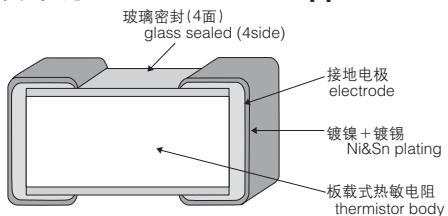


■结构及外观 Structure and appearance



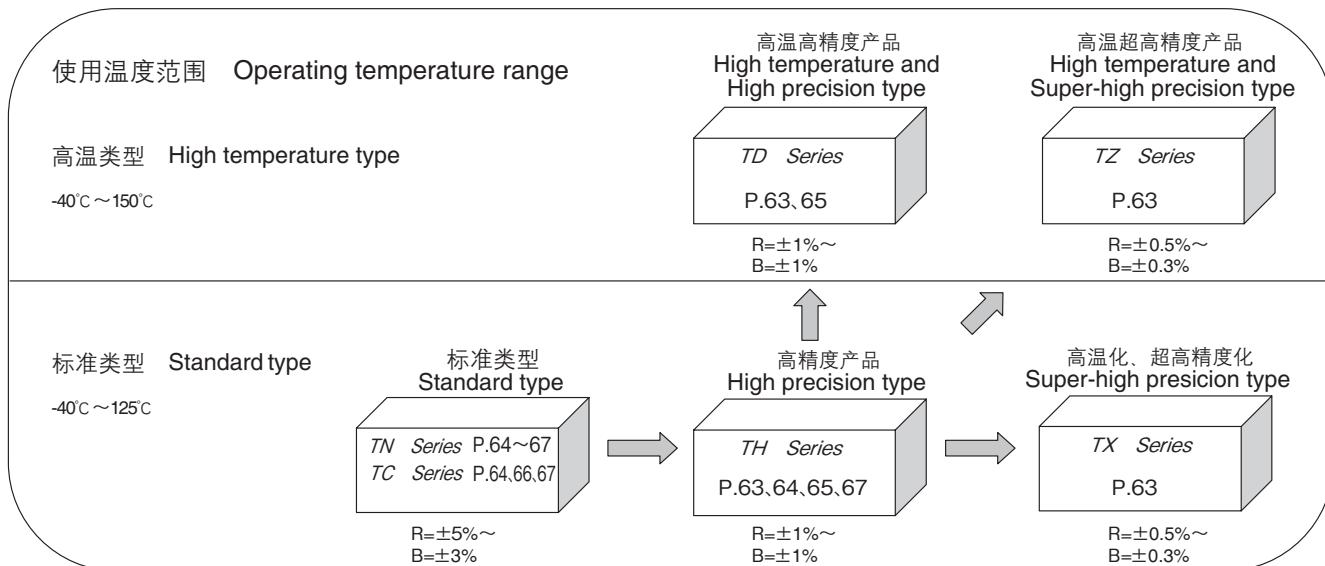
■特点 Features

- 通过独自的原材料，实现超高精度的温度测量
- 通过独自的4面玻璃密封做法，实现较高的可靠性（机械应力强、耐环境性、耐变换电阻性能优异）
- 优异的静电放电耐压性能
- 优异的高频率特性
- 优异的焊接性能、耐热性能
- 可用于150°C高温
- 完全不含铅(Pb)产品
- RoHS指定产品

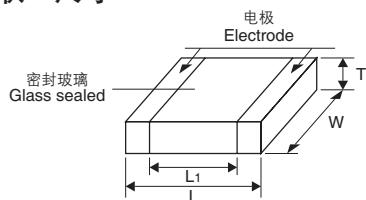
■Features

- Provides ultra-accurate temperature measurement of its own raw materials
- High reliability by unique four-sided glass coating.
(Excellent mechanical strength, environmental resistance and migration resistance.)
- Strong against electrostatic discharge
- Excellent high frequency characteristics.
- Excellent solderability and heat resistance.
- High temperature(150°C)
- Lead-free
- RoHS Compliance

■产品系列 Product lineup

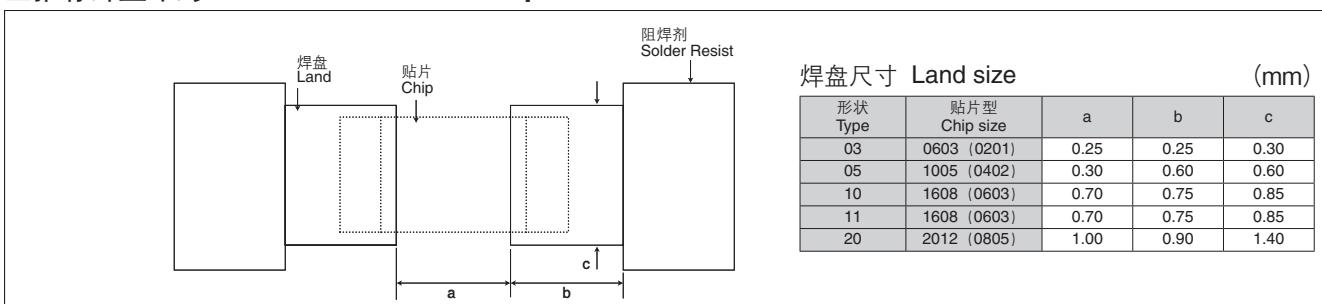


■形状·尺寸 Dimensions



形状 Type	贴片型 Chip size	L	W	T	L1
03	0603 (0201)	0.60 ± 0.04	0.30 ± 0.04	0.30 ± 0.04	0.10min.
05	1005 (0402)	1.00 ± 0.15	0.5 +0.05 -0.10	0.5 +0.05 -0.10	0.20min.
10	1608 (0603)	1.60 ± 0.15	0.80 ± 0.15	0.95max.	0.30min.
11	1608 (0603)	1.60 ± 0.15	0.80 ± 0.15	0.70max.	0.30min.
20	2012 (0805)	2.00 ± 0.20	1.25 ± 0.20	1.25max	0.40min.

■推荐焊盘布局 Recommended land pattern



■焊接条件请参见第106页

Please refer to page 106 for soldering conditions.

使用例：高精度化

◇大的温度范围内，实现电阻值的高精度化

	高精度产品 High precision type	超高精度产品 Super-high precision type
品名 type	TH05-3H103F[R,B]	TZ05-3H103D[R,B]
尺寸 size	1.00 × 0.50 × 0.50 mm	
R25	10kΩ ± 1%	10kΩ ± 0.5%
B25/50	3380K ± 1%	3380K ± 0.3%

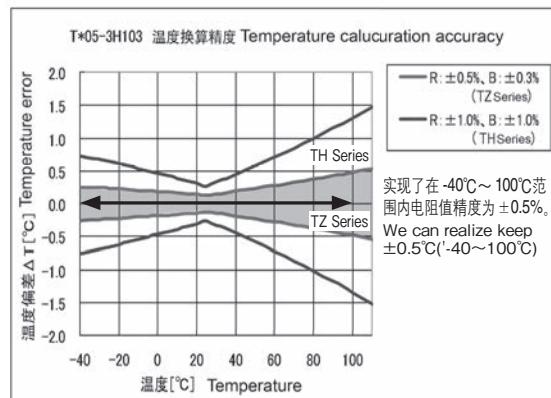
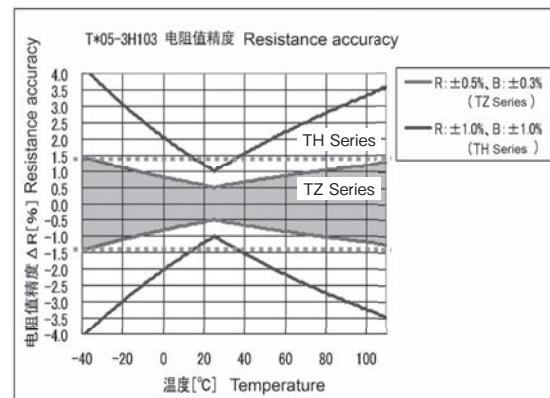
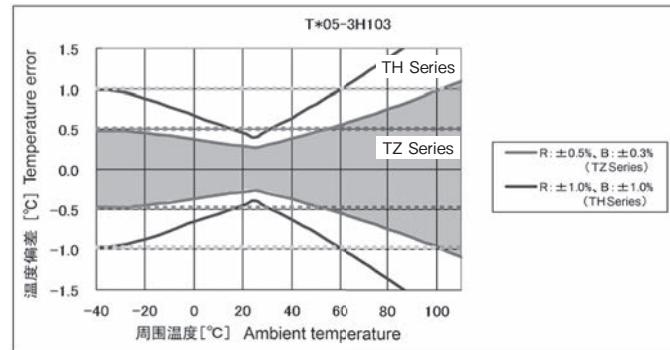
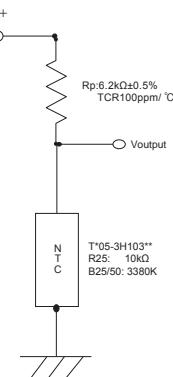
热敏电阻电阻值精度 The accuracy of thermistors

实现了在 -40°C ~ +125°C 范围内电阻值精度为 ±1.5% (以往产品：±4.2%)

Resistance accuracy ±1.5% (at -40°C ~ +125°C) (Previous ±4.2%)

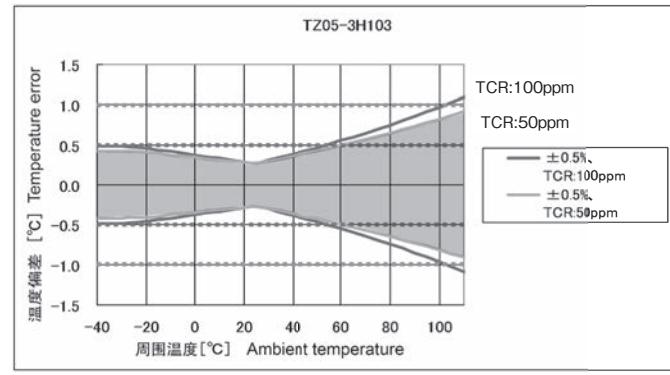
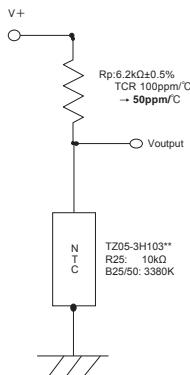
Applications : High precision
Under the Wide-temperature range High resistance accuracy

Temperature calibration accuracy ±0.5°C (at -40°C ~ +100°C)

**应用例（回路全体的温度探测） Exam(The detected temperature error of the circuit board)**

如连接电阻使用超高精度型，更加扩大温度范围。

If you also use ultra high accuracy resistance, You could use in more wide temperature range.



温度偏差 Temperature error	连接电阻 Connect resistance	TCR:100ppm	TCR:100ppm	TCR:50ppm
	热敏电阻 Thermistor	TH05-3H103F (以往产品 / Previous)	TZ05-3H103D	TZ05-3H103D
±0.5°C 以内 within ±0.5°C	±0.5°C 以内 within ±0.5°C	+20°C ~ +30°C	-40°C ~ +50°C	-40°C ~ +60°C
	±1.0°C 以内 within ±1.0°C	-40°C ~ +60°C	-40°C ~ +100°C	-40°C ~ +120°C

所有产品端子电极都是镀锡规格。

关于 RT 数据，本公司的主页上已有详细介绍，敬请查阅。

以下系列均为支持 UL 规格 (UL1434) 的产品，请事先咨询我们。

- TH05 系列
- TN05 系列
- TC05 系列
- TH11 系列
- TN11 系列
- TN10 系列
- TH20 系列
- TN20 系列

以下系列可以对应特殊规格，详情请咨询本公司。

- TZ05 系列
- TX05 系列
- TD05 系列
- TD11 系列

Chip-thermistor are all Tin plating

Regarding R-Tdata, Please refer to our home page

It is available in a UL1434 approved type as bellow series

- TH05 Series
- TN05 Series
- TC05 Series
- TH11 Series
- TN11 Series
- TN10 Series
- TH20 Series
- TN20 Series

Please consult us for availability of non-standard items

- TZ05 Series
- TX05 Series
- TD05 Series
- TD11 Series

■ 0603 (0201inch) 系列 0603(0201inch) Series

TX03 系列 (超高精度产品) TX03Series (Ultra accuracy type) 依据 AEC-Q200 标准 Conforms with AEC-Q200

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/C) Heat dissipation
3H103 * *	-40~+125°C	±0.5	±1					±0.3			10kΩ	3,380K	3,395K	150	1.5
4F104 * *	-40~+125°C	±0.5	±1					±0.3			100kΩ	4,250K	4,230K	150	1.5

TH03 系列 (高精度产品) TH03Series (High accuracy type) 依据 AEC-Q200 标准 Conforms with AEC-Q200

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/C) Heat dissipation
3H103 * *	-40~+125°C		±1	±2	±3				±1		10kΩ	3,380K	3,395K	150	1.5
4F104 * *	-40~+125°C		±1	±2	±3				±1		100kΩ	4,250K	4,230K	150	1.5

■ 1005 (0402inch) 系列 1005(0402inch) Series

TZ05 系列 (高温超精度产品) TZ05Series (High temperature, Ultra accuracy type) 依据 AEC-Q200 标准 Conforms with AEC-Q200

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/C) Heat dissipation
3H103 * *	-40~+150°C	±0.5	±1					±0.3			10kΩ	3,380K	3,423K	300	2.4
4F104 * *	-40~+150°C	±0.5	±1					±0.3			100kΩ	4,250K	4,254K	300	2.4

TD05 系列 (高温高精度产品) TD05Series (High temperature, High accuracy type) 依据 AEC-Q200 标准 Conforms with AEC-Q200

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/C) Heat dissipation
3H103 * *	-40~+150°C	±1	±2	±3				±1			10kΩ	3,370K	3,413K	300	2.4
3L104 * *		±1	±2	±3				±1			100kΩ	3,540K	3,587K	300	2.4
4H104 * *		±1	±2	±3				±1			100kΩ	4,360K	4,360K	300	2.4
4F104 * *		±1	±2	±3				±1			100kΩ	4,250K	4,254K	300	2.4

TX05 系列 (超高精度产品) TX05Series (Ultra accuracy type) 依据 AEC-Q200 标准 Conforms with AEC-Q200

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/C) Heat dissipation
3H103 * *	-40~+125°C	±0.5	±1					±0.3			10kΩ	3,380K	3,423K	240	2.4
4F104 * *	-40~+125°C	±0.5	±1					±0.3			100kΩ	4,250K	4,254K	240	2.4

■ 1005 (0402inch) 系列 1005(0402inch)series

TH05 系列 (高精度产品) TH05Series (High accuracy type) 依据 AEC-Q200 标准 Conforms with AEC-Q200

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/°C) Heat dissipation
3N682 * *	-40~+125°C	±1	±2	±3				±1			6.8kΩ	3,670K	3,657K	240	2.4
3H103 * *		±1	±2	±3				±1			10kΩ	3,370K	3,413K		
3I103 * *		±1	±2	±3				±1			10kΩ	3,380K	3,435K		
3T103 * *		±1	±2	±3				±1			10kΩ	3,820K	3,792K		
4B153 * *		±1	±2	±3				±1			15kΩ	4,030K	3,985K		
3V223 * *		±1	±2	±3				±1			22kΩ	3,900K	3,898K		
3N333 * *		±1	±2	±3				±1			33kΩ	3,650K	3,725K		
4B333 * *		±1	±2	±3				±1			33kΩ	4,050K	4,038K		
3I473 * *		±1	±2	±3				±1			47kΩ	3,400K	3,490K		
4B473 * *		±1	±2	±3				±1			47kΩ	4,050K	4,057K		
3J683 * *		±1	±2	±3				±1			68kΩ	3,450K	3,492K		
3K803 * *		±1	±2	±3				±1			80kΩ	3,500K	3,543K		
3L104 * *		±1	±2	±3				±1			100kΩ	3,540K	3,578K		
4B104 * *		±1	±2	±3				±1			100kΩ	4,050K	4,093K		
4F104 * *		±1	±2	±3				±1			100kΩ	4,250K	4,254K		
4H104 * *		±1	±2	±3				±1			100kΩ	4,360K	4,360K		
3M154 * *		±1	±2	±3				±1			150kΩ	3,620K	3,668K		
3W474 * *		±1	±2	±3				±1			470kΩ	3,940K	3,998K		
4K474 * *		±1	±2	±3				±1			470kΩ	4,500K	4,541K		
4R474 * *		±1	±2	±3				±1			470kΩ	4,700K	4,715K		

TN05 系列 (标准产品) TN05Series (Standard type)

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/°C) Heat dissipation
3C102 * *	-40~+125°C				±5	±10		±3			1.0kΩ	3,110K	3,124K	240	2.4
3E152 * *					±5	±10		±3			1.5kΩ	3,200K	3,214K		
3G222 * *					±5	±10		±3			2.2kΩ	3,290K	3,298K		
3H302 * *					±5	±10		±3			3.0kΩ	3,370K	3,375K		
3I332 * *					±5	±10		±3			3.3kΩ	3,420K	3,425K		
3L472 * *					±5	±10		±3			4.7kΩ	3,530K	3,528K		
3N682 * *					±5	±10		±3			6.8kΩ	3,670K	3,657K		
3H103 * *					±5	±10		±3			10kΩ	3,370K	3,413K		
3T103 * *					±5	±10		±3			10kΩ	3,820K	3,792K		
4B153 * *					±5	±10		±3			15kΩ	4,030K	3,985K		
3V223 * *					±5	±10		±3			22kΩ	3,900K	3,898K		
3N333 * *					±5	±10		±3			33kΩ	3,650K	3,725K		
4B473 * *					±5	±10		±3			47kΩ	4,050K	4,057K		
3I473 * *					±5	±10		±3			47kΩ	3,400K	3,490K		
3J683 * *					±5	±10		±3			68kΩ	3,450K	3,492K		
3K803 * *					±5	±10		±3			80kΩ	3,500K	3,543K		
3L104 * *					±5	±10		±3			100kΩ	3,540K	3,578K		
3M154 * *					±5	±10		±3			150kΩ	3,620K	3,668K		
4W205 * *					±5	±10		±3			2MΩ	4,950K	4,984K		

TC05 系列 (标准产品) TC05Series (Standard type)

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/°C) Heat dissipation
2S300 * *	-40~+125°C				±5	±10		±3			30Ω	2,750K	2,769K	240	2.4
2S400 * *					±5	±10		±3			40Ω	2,750K	2,769K		
2S680 * *					±5	±10		±3			68Ω	2,750K	2,769K		
2S820 * *					±5	±10		±3			82Ω	2,750K	2,769K		
2S101 * *					±5	±10		±3			100Ω	2,750K	2,769K		
2S121 * *					±5	±10		±3			120Ω	2,750K	2,769K		
2S151 * *					±5	±10		±3			150Ω	2,750K	2,769K		
4C202 * *					±5	±10		±3			2.0kΩ	4,100K	4,048K		
4C272 * *					±5	±10		±3			2.7kΩ	4,100K	4,048K		
4C302 * *					±5	±10		±3			3.0kΩ	4,100K	4,048K		
4C332 * *					±5	±10		±3			3.3kΩ	4,100K	4,048K		
4K104 * *					±5	±10		±3			100kΩ	4,500K	4,541K		
4K224 * *					±5	±10		±3			220kΩ	4,500K	4,541K		
4V105 * *					±5	±10		±3			1MΩ	4,900K	4,909K		

■ 1608 (0603inch) 系列 1608(0603inch) Series

TD11系列 (高温高精度产品) ※ 厚度 0.7mmMax TD11Series (High temperature, High accuracy type) ※ Thickness 0.7MAX. 依据 AEC-Q200 标准 Conforms with AEC-Q200

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/85} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/C) Heat dissipation
3H103 * *	-40~+150°C	±1	±2	±3				±1			10kΩ	3,370K	3,423K	375	3.0
4H104 * *		±1	±2	±3				±1			100kΩ	4,360K	4,360K		
3S224 * *		±1	±2	±3				±1			220kΩ	3,760K	3,806K		
3W474 * *		±1	±2	±3				±1			470kΩ	3,940K	3,998K		
3M104 * *		±1	±2	±3				±1			100kΩ	3,580K	3,620K		
3R154 * *		±1	±2	±3				±1			150kΩ	3,680K	3,723K		
3U334 * *		±1	±2	±3				±1			330kΩ	3,850K	3,904K		
4C153 * *		±1	±2	±3				±1			15kΩ	4,110K	4,053K		
4B473 * *		±1	±2	±3				±1			47kΩ	4,050K	4,067K		
		±1	±2	±3				±1							

TH11系列 (高精度产品) ※ 厚度 0.7mmMax TH11Series (High accuracy type) ※ Thickness 0.7MAX. 依据 AEC-Q200 标准 Conforms with AEC-Q200

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/85} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/C) Heat dissipation
3H103 * *	-40~+125°C	±1	±2	±3				±1			10kΩ	3,370K	3,423K	300	3.0
3V103 * *		±1	±2	±3				±1			10kΩ	3,910K	3,876K		
4C153 * *		±1	±2	±3				±1			15kΩ	4,110K	4,053K		
3T223 * *		±1	±2	±3				±1			22kΩ	3,820K	3,841K		
3K333 * *		±1	±2	±3				±1			33kΩ	3,480K	3,617K		
3J473 * *		±1	±2	±3				±1			47kΩ	3,440K	3,481K		
4B473 * *		±1	±2	±3				±1			47kΩ	4,050K	4,067K		
4B503 * *		±1	±2	±3				±1			50kΩ	4,050K	4,067K		
3K683 * *		±1	±2	±3				±1			68kΩ	3,500K	3,534K		
3M104 * *		±1	±2	±3				±1			100kΩ	3,590K	3,628K		
3W104 * *		±1	±2	±3				±1			100kΩ	3,950K	4,000K		
4H104 * *		±1	±2	±3				±1			100kΩ	4,360K	4,360K		
4I104 * *		±1	±2	±3				±1			100kΩ	4,392K	4,390K		
3R154 * *		±1	±2	±3				±1			150kΩ	3,680K	3,723K		
3S224 * *		±1	±2	±3				±1			220kΩ	3,760K	3,806K		
3U334 * *		±1	±2	±3				±1			330kΩ	3,850K	3,904K		
3W474 * *		±1	±2	±3				±1			470kΩ	3,940K	3,998K		
4V105 * *		±2	±3					±1			1MΩ	4,900K	4,909K		

TN11系列 (标准产品) ※ 厚度 0.7mmMax TN11Series (Standard type) ※ Thickness 0.7MAX.

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/85} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/C) Heat dissipation
3I202 * *	-40~+125°C				±5	±10		±3			2kΩ	3,400K	3,399K	300	3.0
3H103 * *					±5	±10		±3			10kΩ	3,370K	3,423K		
3V103 * *					±5	±10		±3			10kΩ	3,910K	3,876K		
4C153 * *					±5	±10		±3			15kΩ	4,110K	4,053K		
3T223 * *					±5	±10		±3			22kΩ	3,820K	3,841K		
3K333 * *					±5	±10		±3			33kΩ	3,480K	3,617K		
3J473 * *					±5	±10		±3			47kΩ	3,440K	3,481K		
4B473 * *					±5	±10		±3			47kΩ	4,050K	4,067K		
3K683 * *					±5	±10		±3			68kΩ	3,500K	3,534K		
3M104 * *					±5	±10		±3			100kΩ	3,590K	3,628K		
4H104 * *					±5	±10		±3			100kΩ	4,360K	4,360K		
3R154 * *					±5	±10		±3			150kΩ	3,680K	3,723K		
3S224 * *					±5	±10		±3			220kΩ	3,760K	3,806K		
3U334 * *					±5	±10		±3			330kΩ	3,850K	3,904K		
3W474 * *					±5	±10		±3			470kΩ	3,940K	3,998K		
					±5	±10		±3			470kΩ	3,940K	3,998K		
					±5	±10		±3			1MΩ	4,900K	4,909K		

■ 1608 (0603inch) 系列 1608(0603inch)series

TN10 系列 (标准产品) TN10Series (Standard type)

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C				B值 (B _{25/50}) 容许偏差 (%) B value tolerance				电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/°C) Heat dissipation	
2D300 * *	-40 ~ +125°C				± 5	± 10			± 3	± 5	30Ω	2,150K	2,155K	300	3.0
2E400 * *					± 5	± 10			± 3	± 5	40Ω	2,200K	2,292K		
2F500 * *					± 5	± 10			± 3	± 5	50Ω	2,250K	2,279K		
2H680 * *					± 5	± 10			± 3	± 5	68Ω	2,350K	2,380K		
2R101 * *					± 5	± 10			± 3	± 5	100Ω	2,700K	2,724K		
2S121 * *					± 5	± 10			± 3	± 5	120Ω	2,750K	2,769K		
2T151 * *					± 5	± 10			± 3	± 5	150Ω	2,800K	2,813K		
2V221 * *					± 5	± 10			± 3	± 5	220Ω	2,900K	2,901K		
3A331 * *					± 5	± 10			± 3	± 5	330Ω	3,000K	3,025K		
3C471 * *					± 5	± 10			± 3	± 5	470Ω	3,100K	3,125K		
3D681 * *					± 5	± 10			± 3	± 5	680Ω	3,150K	3,181K		
3F102 * *					± 5	± 10			± 3	± 5	1kΩ	3,250K	3,260K		
3I152 * *					± 5	± 10			± 3	± 5	1.5kΩ	3,400K	3,399K		
3K222 * *					± 5	± 10			± 3	± 5	2.2kΩ	3,500K	3,499K		
3N332 * *					± 5	± 10			± 3	± 5	3.3kΩ	3,650K	3,633K		
3S472 * *					± 5	± 10			± 3	± 5	4.7kΩ	3,750K	3,750K		
3V682 * *					± 5	± 10			± 3	± 5	6.8kΩ	3,900K	3,868K		
4C103 * *					± 5	± 10			± 3	± 5	10kΩ	4,100K	4,048K		
3U153 * *					± 5	± 10			± 3	± 5	15kΩ	3,850K	3,870K		
3K223 * *					± 5	± 10			± 3	± 5	22kΩ	3,500K	3,643K		
3J333 * *					± 5	± 10			± 3	± 5	33kΩ	3,450K	3,494K		
3K473 * *					± 5	± 10			± 3	± 5	47kΩ	3,500K	3,537K		
3M683 * *					± 5	± 10			± 3	± 5	68kΩ	3,600K	3,645K		
3R104 * *					± 5	± 10			± 3	± 5	100kΩ	3,700K	3,743K		
3S154 * *					± 5	± 10			± 3	± 5	150kΩ	3,750K	3,797K		

TC10 系列 (标准产品) TC10Series (Standard type)

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C				B值 (B _{25/50}) 容许偏差 (%) B value tolerance				电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/°C) Heat dissipation	
2S500 * *	-40 ~ +125°C				± 5	± 10			± 3	± 5	50Ω	2,750K	2,769K	300	3.0
2R820 * *					± 5	± 10			± 3	± 5	82Ω	2,700K	2,724K		
2S101 * *					± 5	± 10			± 3	± 5	100Ω	2,750K	2,769K		
2V181 * *					± 5	± 10			± 3	± 5	180Ω	2,900K	2,901K		
3K182 * *					± 5	± 10			± 3	± 5	1.8kΩ	3,500K	3,499K		
4C202 * *					± 5	± 10			± 3	± 5	2kΩ	4,100K	4,048K		
4C302 * *					± 5	± 10			± 3	± 5	3kΩ	4,100K	4,048K		
4C472 * *					± 5	± 10			± 3	± 5	4.7kΩ	4,100K	4,048K		

NTC THERMISTOR
NTC 热敏电阻

■ 2012 (0805inch) 系列 2012(0805inch) Series

TH20 系列 (高精度产品) TH20Series (High accuracy type)

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/°C) Heat dissipation
3H103 * *	-40~+125°C		±1	±2	±3			±1	±2		10kΩ	3,370K	3,489K	500	5.0
3V103 * *			±1	±2	±3			±1	±2		10kΩ	3,924K	3,914K		
3W303 * *			±1	±2	±3			±1	±2		30kΩ	3,950K	3,991K		
3M503 * *			±1	±2	±3			±1	±2		50kΩ	3,590K	3,628K		
3W503 * *			±1	±2	±3			±1	±2		50kΩ	3,950K	4,030K		
3R803 * *			±1	±2	±3			±1	±2		80kΩ	3,700K	3,743K		
3S104 * *			±1	±2	±3			±1	±2		100kΩ	3,760K	3,806K		
			±1	±2	±3			±1	±2						

TN20 系列 (标准产品) TN20Series (Standard type)

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/°C) Heat dissipation
2G400 * *	-40~+125°C				±5	±10			±3	±5	40Ω	2,300K	2,304K	500	5.0
2I500 * *					±5	±10			±3	±5	50Ω	2,400K	2,450K		
2N680 * *					±5	±10			±3	±5	68Ω	2,650K	2,673K		
2S101 * *					±5	±10			±3	±5	100Ω	2,750K	2,758K		
2T151 * *					±5	±10			±3	±5	150Ω	2,800K	2,813K		
2V221 * *					±5	±10			±3	±5	220Ω	2,900K	2,917K		
3A331 * *					±5	±10			±3	±5	330Ω	3,000K	3,019K		
3C471 * *					±5	±10			±3	±5	470Ω	3,100K	3,120K		
3E681 * *					±5	±10			±3	±5	680Ω	3,200K	3,218K		
3E102 * *					±5	±10			±3	±5	1kΩ	3,200K	3,221K		
3I152 * *					±5	±10			±3	±5	1.5kΩ	3,400K	3,403K		
3K202 * *					±5	±10			±3	±5	2kΩ	3,500K	3,469K		
3S332 * *					±5	±10			±3	±5	3.3kΩ	3,750K	3,731K		
3W472 * *					±5	±10			±3	±5	4.7kΩ	3,950K	3,909K		
4C682 * *					±5	±10			±3	±5	6.8kΩ	4,100K	4,044K		
3H103 * *					±5	±10			±3	±5	10kΩ	3,370K	3,489K		
3K103 * *					±5	±10			±3	±5	10kΩ	3,500K	3,544K		
3V103 * *					±5	±10			±3	±5	10kΩ	3,924K	3,914K		
3N153 * *					±5	±10			±3	±5	15kΩ	3,650K	3,695K		
3S223 * *					±5	±10			±3	±5	22kΩ	3,750K	3,786K		
3W303 * *					±5	±10			±3	±5	30kΩ	3,950K	3,991K		
3T333 * *					±5	±10			±3	±5	33kΩ	3,800K	3,839K		
3U473 * *					±5	±10			±3	±5	47kΩ	3,850K	3,894K		
3W503 * *					±5	±10			±3	±5	50kΩ	3,950K	4,030K		
3N683 * *					±5	±10			±3	±5	68kΩ	3,650K	3,690K		
3R803 * *					±5	±10			±3	±5	80kΩ	3,700K	3,743K		
4C104 * *					±5	±10			±3	±5	100kΩ	4,100K	4,141K		
4D154 * *					±5	±10			±3	±5	150kΩ	4,150K	4,195K		
5A205 * *					±5	±10			±3	±5	2MΩ	5,000K	5,043K		
5G106 * *					±5	±10			±3	±5	10MΩ	5,300K	5,390K		

TC20 系列 (标准产品) TC20Series (Standard type)

型号 (type)	使用温度范围 Temperature range	电阻值 (R ₂₅) 容许偏差 (%) Resistance tolerance at 25°C						B值 (B _{25/50}) 容许偏差 (%) B value tolerance			电阻值 R ₂₅ resistance	B值 B _{25/50} B value	B值 B _{25/65} B value	最大功率 (mW) Maximum power dissipation	散热系数 (mW/°C) Heat dissipation
2S400 * *	-40~+125°C				±5	±10			±3	±5	40Ω	2,750K	2,758K	500	5.0
4C302 * *					±5	±10			±3	±5	3.0kΩ	4,100K	4,044K		
3J153 * *					±5	±10			±3	±5	15kΩ	3,450K	3,491K		