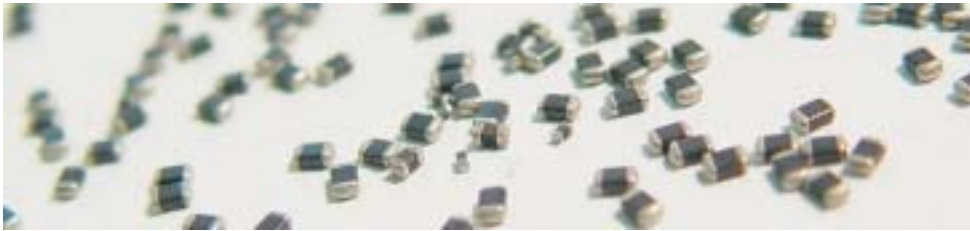


PTC SMD THERMISTOR



PTC - 1608 221 P 070 T

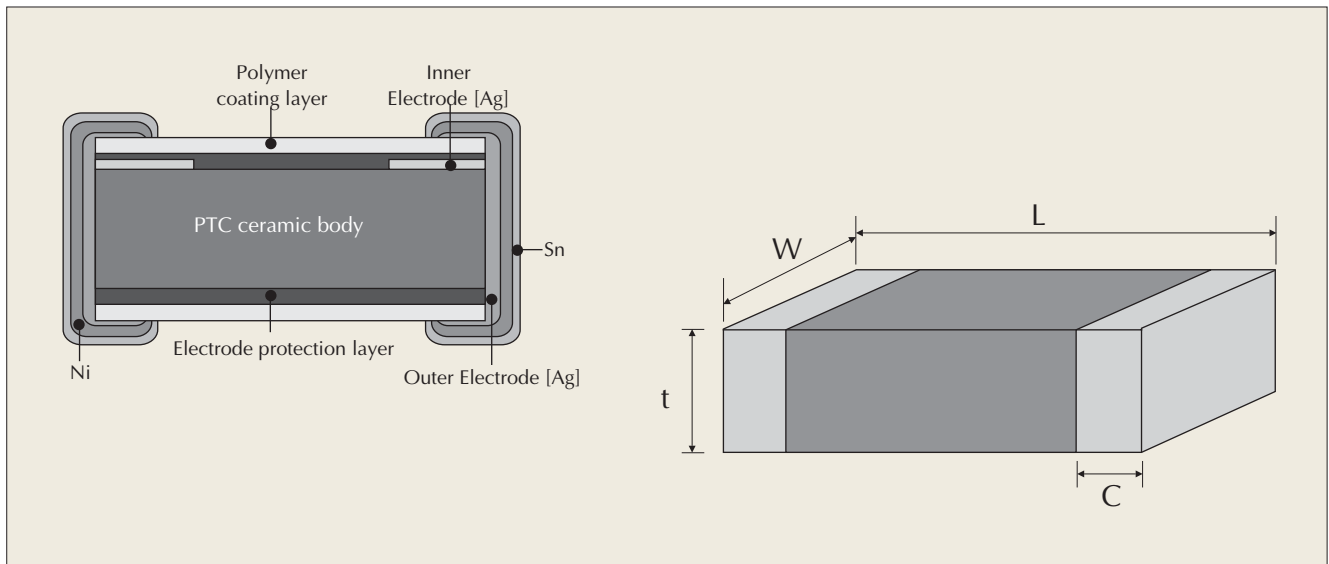
① ② ③ ④ ⑤ ⑥

- ① SYMBOL
- ② DIMENSION : 1608 size
- ③ R VALUE : 220Ω [$@25^\circ\text{C}$]
- ④ R TOLERANCE : $\pm 30\%$
- ⑤ SWITCHING TEMPERATURE
- ⑥ REEL TAPING

FEATURES

- Suitable for miniaturizing circuits due to small size SMD type
- Fast response for overheating sensing with an accuracy of $\pm 3^\circ\text{C}$
- Contact noise & trouble free due to surface mounted
- Excellent environmental reliability resulted from our original coating process on chip body [Patent pending]
- Lead is not contained in terminations

SHAPE & DIMENSION



Type	L	W	t	C
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 ± 0.10	0.40 ± 0.20
3225	3.20 ± 0.30	2.50 ± 0.20	1.15 ± 0.30	0.60 ± 0.20
4532	4.50 ± 0.40	3.20 ± 0.30	1.15 ± 0.30	0.60 ± 0.20

APPLICATIONS

- Overheat protection for power transistor and power-ICs
- Inverter circuit for LCD backlight
- AC adapter of Lap-Top Computer
- DC/DC converter in LCD driving circuit

SPECIFICATIONS

PART No.	R25℃	SENSING TEMP.	MAX. VOLTAGE	Operation Temp.
PTC 1608 221P 070T	220Ω ± 30%	70Ω ± 5℃ [at 2.2kΩ]	32Vd.c.	-30℃ ~ 125℃
PTC 1608 151P 070T	150Ω ± 30%	70Ω ± 5℃ [at 1.5kΩ]	27Vd.c.	-30℃ ~ 125℃
PTC 2012 101P 070T	100Ω ± 30%	70Ω ± 5℃ [at 1.0kΩ]	24Vd.c.	-30℃ ~ 125℃
PTC 3225 500P 070T	50Ω ± 30%	70Ω ± 5℃ [at 0.5kΩ]	12Vd.c.	-30℃ ~ 125℃
PTC 4532 220P 070T	22Ω ± 30%	70Ω ± 5℃ [at 0.22kΩ]	6Vd	-30℃ ~ 125℃

