



# NTC THERMISTORS: TYPE NC08

## SMD CHIP THERMISTOR 0805 SIZE

### DESCRIPTION:

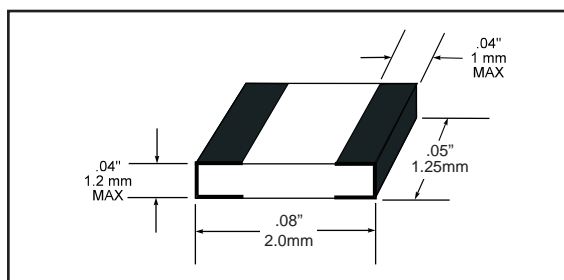
0805 size surface mount ceramic chip thermistor

### FEATURES:

- Cost effective thermistor for automatic placement
- Standard resistance tolerances down to  $\pm 3\%$
- High sensitivity to changes in temperature
- Suitable for temperature measurement, control and compensation
- Suitable for wave and reflow soldering
- Wide operating temperature range:  $-50^{\circ}\text{C}$  to  $125^{\circ}\text{C}$
- Rugged construction
- Available in other material systems
- Palladium Silver terminations
- Other termination systems available
- Available pocket taped to EIA RS-481



### DIMENSIONS:



TYPE NUMBER	R@25C (Ohms)	MATERIAL SYSTEM	tc (%/C)	Beta (25/85)
NC0805KA502KB	5K	D8.5	-4.23	3770K
NC0805KH103KB	10K	C9.7	-4.61	4040K
NC0805KB223KB	22K	D9.5	-4.43	3970K
NC0805KB303KB	30K	D9.5	-4.43	3970K
NC0805KC503KB	50K	D9.7A	-4.39	3970K
NC0805KD104KB	100K	D10.3	-4.49	4070K
NC0805KE154KB	150K	D12.2	-4.78	4350K
NC0805KE204KB	200K	D12.2	-4.78	4350K
NC0805KS304KB	300K	GE9.7B	-4.32	3950K

### OPTIONS:

- Other resistances in the range  $1\text{k}\Omega$  -  $750\text{k}$
- Tolerances at other temperatures
- Alternative contact materials
- For reel taping Replace 'B' with 'R'.
- Other tolerances, 5% (J) and 3% (H) available

### DATA:

**Standard resistance tolerance:**  $\dots \pm 10\%$  @  $25^{\circ}\text{C}$   
**Dissipation constant:**  $\dots 3.5 \text{ mW}/^{\circ}\text{C}$   
**Time Constant:**  $\dots 10 \text{ sec.}$   
**Operating Range**  $\dots -50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$