



# NTC THERMISTORS: TYPE NC12

## 1206 SIZE SMD CHIP THERMISTOR

### DESCRIPTION:

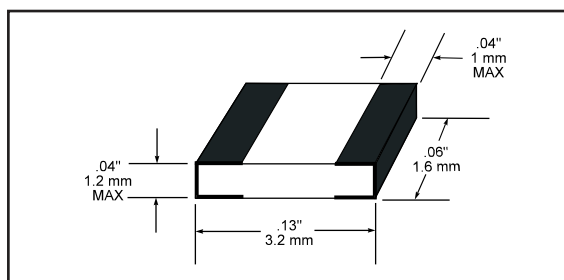
1206 size surface mount ceramic chip thermistor.

### 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)
NC1206KR151KB	150	C46.55	-3.02	2680K
NC1206KN351KB	350	C49.45	-3.14	2800K
NC1206KL102KB	1K	C57.25	-3.43	3060K
NC1206KJ502KB	5K	D7.3	-3.83	3510K
NC1206KT103KB	10K	C84.5	-4.12	3730K
NC1206KB203KB	20K	D9.5	-4.43	3970K
NC1206KC303KB	30K	D9.7A	-4.40	3980K
NC1206KD503KB	50K	D10.3	-4.49	4070K
NC1206KE104KB	100K	D12.0	-4.84	4360K
NC1206KF204KB	200K	D12.2	-4.78	4360K

### OPTIONS:

- Other resistances in the range  $150\Omega$  -  $220k\Omega$
- 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:**...  $\pm 10\%$  @  $25^{\circ}\text{C}$   
**Dissipation constant:**.....  $5 \text{ mW}/^{\circ}\text{C}$   
**Time Constant:**..... 10 sec.  
**Operating Range** .....  $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$