



# NTC THERMISTORS: TYPE NC12

## 1206 SIZE SMD CHIP THERMISTOR

### DESCRIPTION:

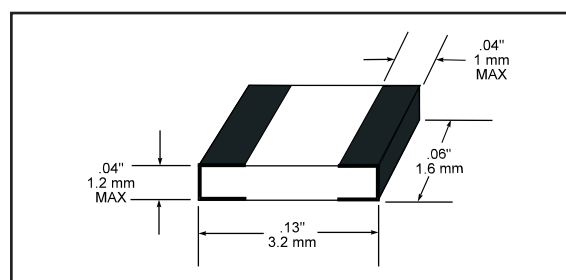
1206 size surface mount ceramic chip thermistor.

### 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 epoxy termination.
- 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<br>(Ohms) | MATERIAL<br>SYSTEM | tc<br>(%/C) | Beta<br>(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  $150\Omega$  -  $220\text{k}\Omega$
- 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  $150^{\circ}\text{C}$