



# NTC THERMISTORS: TYPE NC12

## 1206 SIZE SMD CHIP THERMISTOR

### DESCRIPTION:

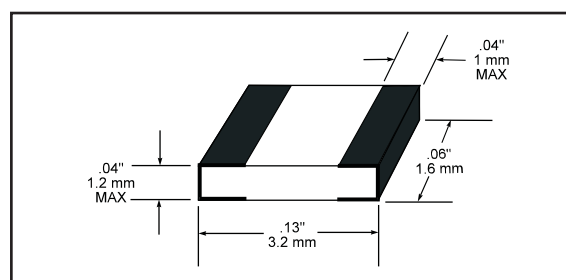
1206 size surface mount ceramic chip thermistor.

### 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 mW/ $^{\circ}\text{C}$

**Time Constant:**..... 10 sec.

**Operating Range** .....  $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$