

NTC Thermistors

Ordering code structure for SMD NTC thermistors, standard and automotive series

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Ordering code structure for SMD NTC thermistors, standard

SMD NTC thermistors, standard series

Example: Chip size 0603, $B_{25/100} = 4000 \text{ K} \pm 3\%$, $R_{25} = 10 \text{ k}\Omega \pm 5\%$, cardboard tape, 180-mm reel

B57	3	21	V2	103	J	0	60
NTC thermistor							
Series: 2 \triangleq EIA chip size 0402 (1005) 3 \triangleq EIA chip size 0603 (1608) 4 \triangleq EIA chip size 0805 (2012)							
B value code							
Multilayer SMD NTC thermistor V2 \triangleq standard series							
Resistance at rated temperature (25 °C): 103 = $10 \cdot 10^3 \Omega = 10 \text{ k}\Omega$							
Resistance tolerance: F = $\pm 1\%$, G = $\pm 2\%$, H = $\pm 3\%$, J = $\pm 5\%$, K = $\pm 10\%$, A = customer specific							
Internal coding							
Packaging codes: 60 \triangleq cardboard tape, 180-mm reel 62 \triangleq blister tape, 180-mm reel 70 \triangleq cardboard tape, 330-mm reel 72 \triangleq blister tape, 330-mm reel							

Ordering code structure for SMD NTC thermistors, standard

SMD NTC thermistors, standard series

Example: Chip size 0805, $B_{25/100} = 3730 \text{ K} \pm 3\%$, $R_{25} = 10 \text{ k}\Omega \pm 5\%$, blister tape, 180-mm reel

B57	620	C5	103	J	0	62
NTC thermistor						
Series: 620 \triangleq EIA chip size 0805 (2012) 621 \triangleq EIA chip size 1206 (3216)						
Multilayer SMD NTC thermistor C5 \triangleq standard series						
Resistance at rated temperature (25 °C): 103 = $10 \cdot 10^3 \Omega = 10 \text{ k}\Omega$						
Resistance tolerance: H = $\pm 3\%$, J = $\pm 5\%$, K = $\pm 10\%$, A = customer specific						
Internal coding						
Packaging codes: 60 \triangleq cardboard tape, 180-mm reel 62 \triangleq blister tape, 180-mm reel 70 \triangleq cardboard tape, 330-mm reel 72 \triangleq blister tape, 330-mm reel						

Ordering code structure for SMD NTC thermistors, standard

SMD NTC thermistors for automotive applications

Example: Chip size 0603, $B_{25/100} = 4000 \text{ K} \pm 3\%$, $R_{25} = 10 \text{ k}\Omega \pm 5\%$, cardboard tape, 180-mm reel

B57	3	51	V5	103	J	0	60
NTC thermistor							
Series: 2 \triangleq EIA chip size 0402 (1005) 3 \triangleq EIA chip size 0603 (1608) 4 \triangleq EIA chip size 0805 (2012)							
B value code							
Multilayer SMD NTC thermistor V5 \triangleq automotive series							
Resistance at rated temperature (25 °C): 103 = $10 \cdot 10^3 \Omega = 10 \text{ k}\Omega$							
Resistance tolerance: F = $\pm 1\%$, G = $\pm 2\%$, H = $\pm 3\%$, J = $\pm 5\%$, A = customer specific							
Internal coding							
Packaging codes: 60 \triangleq cardboard tape, 180-mm reel 62 \triangleq blister tape, 180-mm reel 70 \triangleq cardboard tape, 330-mm reel 72 \triangleq blister tape, 330-mm reel							