

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 K ±3%, R_{25} = 10 k Ω ±5%, cardboard tape, 180-mm reel

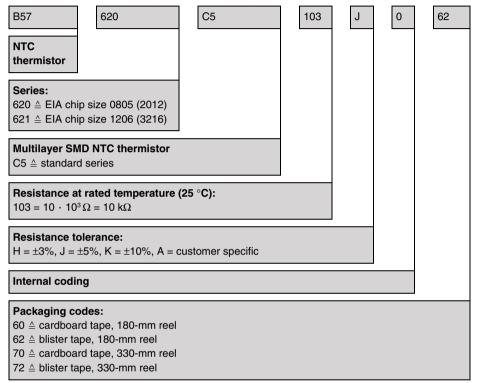
B57 3	21	V2	103	J	0	60		
NTC thermistor								
Series: 2 ≙ EIA chip size 0402 (1005) 3 ≙ EIA chip size 0603 (1608) 4 ≙ EIA chip size 0805 (2012)								
B value code								
Multilayer SMD NTC thermistor V2 \triangleq standard series								
Resistance at rated temperature (25 °C): $103 = 10 \cdot 10^{3} \Omega = 10 \text{ k}\Omega$								
Resistance tolerance: F = $\pm 1\%$, G = $\pm 2\%$, H = $\pm 3\%$, J = $\pm 5\%$, K = $\pm 10\%$, A = customer specific								
	±5%, K = ±10%, A =	custome	er specific					
	±5%, K = ±10%, A =	custome	er specific					



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



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Ordering code structure for SMD NTC thermistors, standard

SMD NTC thermistors for automotive applications

Example: Chip size 0603, B_{25/100} = 4000 K ±3%, R₂₅ = 10 k Ω ±5%, cardboard tape, 180-mm reel

B57 3	51	V5	103	J	0	60		
NTC thermistor								
Series: 2 ≙ EIA chip size 0402 (1005) 3 ≙ EIA chip size 0603 (1608) 4 ≙ EIA chip size 0805 (2012)								
B value code								
$\begin{array}{l} \mbox{Multilayer SMD NTC thermistor} \\ \mbox{V5} \ensuremath{\triangleq\)} \\ \mbox{automotive series} \end{array}$								
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: $60 \triangleq cardboard tape, 180-mm ree 62 \triangleq blister tape, 180-mm reel70 \triangleq cardboard tape, 330-mm ree72 \triangleq blister tape, 330-mm reel$								