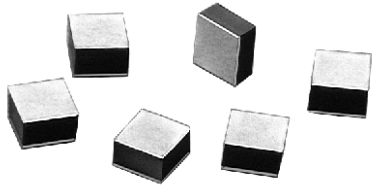


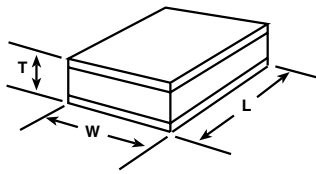
NTC Thermistors, Surface Mount Chip



FEATURES

- Top and bottom surface terminations
- High-density monolithic ceramic construction
- Allows design flexibility for use with hybrid circuitry
- Model W is a thermistor die with silver conductors fired on the top and bottom surfaces. The bottom surface can be reflow soldered or conductive epoxied directly to a substrate bonding pad and the top surface wire bonded to complete the circuit connection.

STANDARD ELECTRICAL SPECIFICATIONS AND DIMENSIONS in inches (millimeters)



R_{25} (Ω)	PART NUMBER	CURVE NUMBER	L	W	T (nominal)
1M	12W1004	12	0.043 \pm 0.004 (10.1 \pm 0.10)	0.043 \pm 0.004 (10.1 \pm 0.10)	0.020 (0.51)
500 000	12W5003	12	0.053 \pm 0.004 (10.4 \pm 0.10)	0.053 \pm 0.004 (10.4 \pm 0.10)	0.016 (0.41)
250 000	12W2503	12	0.075 \pm 0.006 (10.9 \pm 0.15)	0.075 \pm 0.006 (10.9 \pm 0.15)	0.016 (0.41)
200 000	07W2003	7	0.041 \pm 0.004 (10.0 \pm 0.10)	0.041 \pm 0.004 (10.0 \pm 0.10)	0.033 (0.84)
100 000	12W1003	12	0.119 \pm 0.008 (30.0 \pm 0.20)	0.119 \pm 0.008 (30.0 \pm 0.20)	0.016 (0.41)
100 000	08W1003	8	0.049 \pm 0.004 (10.2 \pm 0.10)	0.049 \pm 0.004 (10.2 \pm 0.10)	0.029 (0.74)
100 000	07W1003	7	0.054 \pm 0.005 (10.4 \pm 0.13)	0.054 \pm 0.005 (10.4 \pm 0.13)	0.029 (0.74)
80 000	08W8002	8	0.049 \pm 0.004 (10.2 \pm 0.10)	0.049 \pm 0.004 (10.2 \pm 0.10)	0.024 (0.61)
50 000	08W5002	8	0.053 \pm 0.004 (10.4 \pm 0.10)	0.053 \pm 0.004 (10.4 \pm 0.10)	0.018 (0.46)
50 000	07W5002	7	0.051 \pm 0.004 (10.3 \pm 0.10)	0.051 \pm 0.004 (10.3 \pm 0.10)	0.014 (0.36)
30 000	08W3002	8	0.072 \pm 0.005 (10.8 \pm 0.13)	0.054 \pm 0.005 (10.4 \pm 0.13)	0.015 (0.38)
30 000	07W3002	7	0.069 \pm 0.005 (10.8 \pm 0.13)	0.069 \pm 0.005 (10.8 \pm 0.13)	0.015 (0.38)
30 000	01W3002	1	0.029 \pm 0.003 (0.74 \pm 0.08)	0.029 \pm 0.003 (0.74 \pm 0.08)	0.032 (0.81)
20 000	01W2002	1	0.035 \pm 0.004 (0.89 \pm 0.10)	0.035 \pm 0.004 (0.89 \pm 0.10)	0.032 (0.81)
15 000	01W1502	1	0.041 \pm 0.004 (10.0 \pm 0.10)	0.041 \pm 0.004 (10.0 \pm 0.10)	0.032 (0.81)
10 000	01W1002	1	0.050 \pm 0.005 (10.3 \pm 0.13)	0.050 \pm 0.005 (10.3 \pm 0.13)	0.032 (0.81)
3000	01W3001	1	0.068 \pm 0.005 (10.7 \pm 0.13)	0.054 \pm 0.004 (10.4 \pm 0.10)	0.015 (0.38)
2000	01W2001	1	0.101 \pm 0.006 (20.6 \pm 0.15)	0.054 \pm 0.004 (10.4 \pm 0.10)	0.015 (0.38)
2000	02W2001	2	0.049 \pm 0.004 (10.2 \pm 0.10)	0.049 \pm 0.004 (10.2 \pm 0.10)	0.037 (0.94)
1000	02W1001	2	0.053 \pm 0.004 (10.4 \pm 0.10)	0.053 \pm 0.004 (10.4 \pm 0.10)	0.022 (0.56)
1000	01W1001	1	0.105 \pm 0.006 (20.7 \pm 0.15)	0.105 \pm 0.006 (20.7 \pm 0.15)	0.015 (0.38)
500	02W5000	2	0.060 \pm 0.005 (10.5 \pm 0.13)	0.060 \pm 0.005 (10.5 \pm 0.13)	0.015 (0.38)
500	01W5000	1	0.148 \pm 0.006 (30.8 \pm 0.15)	0.148 \pm 0.006 (30.8 \pm 0.15)	0.015 (0.38)
300	02W3000	2	0.077 \pm 0.006 (20.0 \pm 0.15)	0.077 \pm 0.006 (20.0 \pm 0.15)	0.015 (0.38)
50	02W0500	2	0.188 \pm 0.012 (40.8 \pm 0.31)	0.188 \pm 0.012 (40.8 \pm 0.31)	0.015 (0.38)

GLOBAL PART NUMBER INFORMATION

Global Part Numbering: 08W8002KT (preferred part number format)

0 8 W 1 0 0 2 K E

CURVE	GLOBAL MODEL	RESISTANCE VALUE	TOLERANCE CODE	PACKAGING
01 02 07 08 12	W	1002 = 10K	J = \pm 5 % K = \pm 10 %	E = Lead (Pb)-free, tray T = Tin/Lead, tray



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