



# NTC THERMISTORS: TYPE NG

## GLASS ENCAPSULATED CHIP THERMISTOR

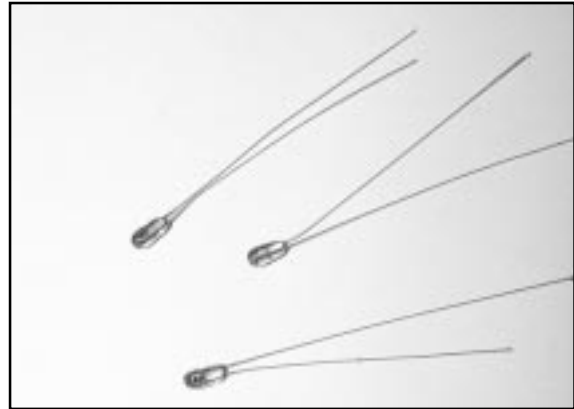
PROVISIONAL DATA

### DESCRIPTION:

A range of glass-encapsulated NTC chip thermistors with radial solder-coated Dumet (copper-clad nickel iron) wires.

### FEATURES:

- Designed for temperature measurement, control & compensation
- Operation up to 250°C with excellent stability
- Glass body provides hermetic seal & voltage insulation
- Radial wire configuration suitable for probe assembly
- Typical applications include automotive engine management and office equipment



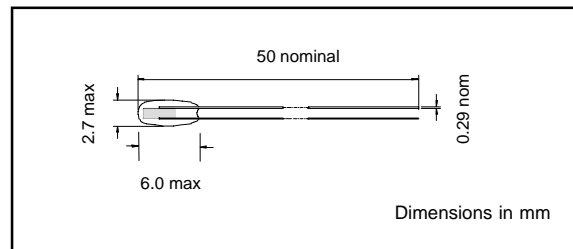
### DATA:

**Operating temperature** ..... -55 to +250°C

**Thermal time constant** ..... 20s nominal

**Dissipation factor** ..... 1.8mW/K nominal

### DIMENSIONS:



R25 Ω	Material system	B 25/85 K	Code	
			R25 ±3%	R25 ±5%
2000	2A	3627 ± 1%		NG202C2AR5
2252	2A	3627 ± 1%		NG222C2AR5
5000	2A	3627 ± 1%		NG502C2AR5
10000	2A	3627 ± 1%		NG103C2AR5
5000	1	3977 ± 1%	NG502C1R3	NG502C1R5
10000	1	3977 ± 1%	NG103C1R3	NG103C1R5
20000	1	3977 ± 1%	NG203C1R3	NG203C1R5
25000	1	3977 ± 1%	NG253C1R3	NG253C1R5

## NEW PRODUCT CAPABILITY

Data sheet D-NG-C



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Temp °C	Ratio Rt/R25 Nominal Material System	
	1	2A
-55	94.57000	61.82000
-50	66.00340	32.64000
-40	33.22865	24.09000
-30	17.51981	13.51000
-20	9.63304	7.85800
-10	5.50253	4.72500
0	3.25429	2.93100
10	1.98670	1.87000
20	1.24858	1.22400
25	1.00000	1.00000
30	0.80587	0.82140
40	0.53300	0.56340
50	0.36055	0.39440
60	0.24901	0.28140
70	0.17531	0.20430
80	0.12563	0.15080
85	0.10702	0.13030
90	0.09153	0.11300
100	0.06771	0.08585
110	0.05080	0.06610
120	0.03863	0.05151
130	0.02974	0.040602
140	0.02316	0.032346
150	0.018232	0.026007
160	0.014499	0.021139
170	0.011641	0.017321
180	0.009430	0.014087
190	0.007704	0.011913
200	0.006343	0.009990
210	0.005262	0.008436
220	0.004396	0.007169
230	0.003697	0.006131
240	0.003129	0.005273
250	0.002664	0.004560

### OPTIONS:

- Other resistance values within the ranges shown e.g. code NG603C1R5 for  $6000\Omega \pm 5\%$  at 25°C
- Reference temperatures in the range 0 to 150°C
- Tighter resistance tolerances
- Other wire lengths

For resistance-temperature data up to 250°C, contact your local sales office.

## NEW PRODUCT CAPABILITY

Data sheet D-NG-C