



NTC THERMISTORS: TYPE NDL

EPOXY COATED CHIP THERMISTOR

DESCRIPTION:

A range of epoxy coated chips with bare 0.25mm tinned copper lead-wires.

FEATURES:

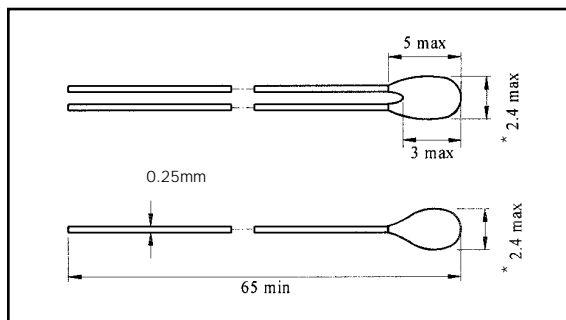
- Designed for accurate temperature measurement, control & compensation
- Tight tolerances on resistance and B value
- Operation up to 155°C with excellent stability
- Small body size
- Fast response
- Epoxy resin provides voltage insulation
- Suitable for automotive, HVAC & white goods applications

OPTIONS:

- Other resistance values within the ranges shown e.g. code NDL152C2R1 for 1500 \pm 1% at 25°C in the range of 0°C up to the maximum operating temperature
- Reference temperatures
- Wire lengths 30 to 600mm (\pm 1mm or \pm 2%, whichever is the greater)
- Other wire materials



DIMENSIONS:



*Diameter will be 2.8mm max for NDL103C4-types

DATA:

Minimum operating temperature -40°C
 Thermal time constant: < 10s
 Dissipation factor 2.2mW/K
 Voltage insulation 500V d.c.
 Packing 500/box



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R25	Material System	B 25/85 K	Maximum Temp. °C	Code		Code		Code	
				R25 ± 1%	R25 ± 2%	R25 ± 3%	R25 ± 5%	R25 ± 10%	
1000	2	3540 ± 1%	125	NDL102C2R1	NDL102C2R2	NDL102C2R3	NDL102C2R5	NDL102C2R10	
2000	2	3540 ± 1%	125	NDL202C2R1	NDL202C2R2	NDL202C2R3	NDL202C2R5	NDL202C2R10	
5000	2	3540 ± 1%	125	NDL502C2R1	NDL502C2R2	NDL502C2R3	NDL502C2R5	NDL502C2R10	
1000	2A	3627 ± 1%	125	NDL102C2AR1	NDL102C2AR2	NDL102C2AR3	NDL102C2AR5	NDL102C2AR10	
2000	2A	3627 ± 1%	125	NDL202C2AR1	NDL202C2AR2	NDL202C2AR3	NDL202C2AR5	NDL202C2AR10	
5000	2A	3627 ± 1%	125	NDL502C2AR1	NDL502C2AR2	NDL502C2AR3	NDL502C2AR5	NDL502C2AR10	
2700	1	3977 ± 0.75%	155	NDL272C1R1	NDL272C1R2	NDL272C1R3	NDL272C1R5	NDL272C1R10	
5000	1	3977 ± 0.75%	155	NDL502C1R1	NDL502C1R2	NDL502C1R3	NDL502C1R5	NDL502C1R10	
10000	1	3977 ± 0.75%	155	NDL103C1R1	NDL103C1R2	NDL103C1R3	NDL103C1R5	NDL103C1R10	
30000	1	3977 ± 0.75%	155	NDL303C1R1	NDL303C1R2	NDL303C1R3	NDL303C1R5	NDL303C1R10	
50000	1	3977 ± 0.75%	155	NDL503C1R1	NDL503C1R2	NDL503C1R3	NDL503C1R5	NDL503C1R10	
2700	3	3960 ± 1%	155	NDL272C3R1	NDL272C3R2	NDL272C3R3	NDL272C3R5	NDL272C3R10	
5000	3	3960 ± 1%	155	NDL502C3R1	NDL502C3R2	NDL502C3R3	NDL502C3R5	NDL502C3R10	
10000	3	3960 ± 1%	155	NDL103C3R1	NDL103C3R2	NDL103C3R3	NDL103C3R5	NDL103C3R10	
30000	3	3960 ± 1%	155	NDL303C3R1	NDL303C3R2	NDL303C3R3	NDL303C3R5	NDL303C3R10	
50000	3	3960 ± 1%	155	NDL503C3R1	NDL503C3R2	NDL503C3R3	NDL503C3R5	NDL503C3R10	
12000	5	3740 ± 1%	125	NDL123C5R1	NDL123C5R2	NDL123C5R3	NDL123C5R5	NDL123C5R10	
10000	4	3435 ± 1%	110	NDL103C4R1	NDL103C4R2	NDL103C4R3	NDL103C4R5	NDL103C4R10	
30000	4	3435 ± 1%	110	NDL303C4R1	NDL303C4R2	NDL303C4R3	NDL303C4R5	NDL303C4R10	
50000	4	3435 ± 1%	110	NDL503C4R1	NDL503C4R2	NDL503C4R3	NDL503C4R5	NDL503C4R10	
100000	4	3435 ± 1%	110	NDL104C4R1	NDL104C4R2	NDL104C4R3	NDL104C4R5	NDL104C4R10	

See separate tables for resistance - temperature data

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