

# Radial Lead Glass Sealed NTC Chip Thermistor

## N4 Series

### Applications:

Temperature Sensor for:

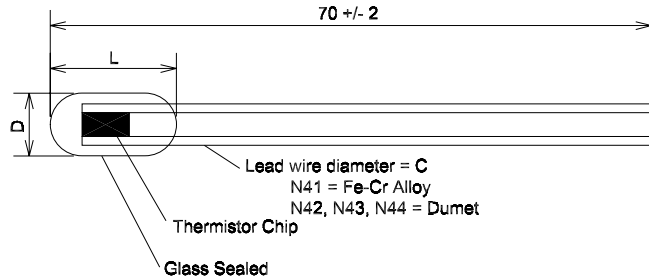
Heater (high temp.)

Exhaust Gas (high temp.)

Hot Water Boiler

Engine Control

Air-conditioner



### Specifications

Part #	Resistance @ 250°C (Ω)	$\beta_{150/250}$ (K)	Dissipation Constant (mW/°C)	Thermal Time Constant (s)	Operating Temperature Range (°C)	Dimensions (mm)			Size Code
						D max	L max	C nom	
N41-471K-457J	470	4570	0.80 ~ 1.00	20.0 max.	-30 ~ 450	2.2	3.5	0.26	1

Part #	Resistance @ 25°C (Ω)	$\beta_{25/85}$ (K)	Dissipation Constant (mW/°C)	Thermal Time Constant (s)	Operating Temperature Range (°C)	Dimensions (mm)			Size Code
						D max	L max	C nom	
N42-202J-354G	2k	3540	0.75 ~ 0.95	7.0 max.	-55 ~ 300	1.5	3.5	0.20	2
N42-302J-354G	3k	3540							
N42-103J-396G	10k	3960							
N42-203J-396G	20k	3960							
N42-303J-396G	30k	3960							
N42-503J-396G	50k	3960							
N43-202J-354G	2k	3540	0.85 ~ 1.00	11.0 max.	-55 ~ 300	2.0	3.5	0.25	3
N43-302J-354G	3k	3540							
N43-103J-396G	10k	3960							
N43-203J-396G	20k	3960							
N43-303J-396G	30k	3960							
N43-503J-396G	50k	3960							
N44-202J-354G	2k	3540	1.35 ~ 1.50	17.0 max.	-55 ~ 300	2.5	4.0	0.35	4
N44-302J-354G	3k	3540							
N44-103J-396G	10k	3960							
N44-303J-396G	30k	3960							

Values listed are for reference. For details, please submit your inquiry to our sales office.

### Part Numbering System:

**N4** **2** - **202** **J** - **354** **G**  
 1 2 3 4 5 6

**1 = Stetron Series:** N4 Series

**2 = Size Code:** (1, 2, 3, 4)

**3 = Resistance:** 202 = 2000Ω

(2 most significant figures followed by number of zeros)

**4 = Resistance Tolerance:** \*J = ±5%, K = ±10%

**5 = B-Value:** 354 = 3540K

**6 = B-Value Tolerance:** \*G = ±2%, J = ±5%

Available in bulk packaging only.

\* Other tolerances available. Contact Stetron sales office for details.



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Website: www.stetron.com

2-9-05

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## N4 Series

NTC Thermistors

R vs T Table

Temp (°C)	Part #
	N41-471K-457J
	R <sub>T</sub> (kΩ)
-30	5,171
-20	2,802
-10	1,573
0	912.4
10	544.7
20	333.9
30	216.4
40	141.6
50	89.82
60	60.63
70	41.72
80	29.21
90	20.80
100	15.06
110	11.08
120	8.267
130	6.250
140	4.783
150	3.703
160	2.904
170	2.299
180	1.836
190	1.479
200	1.201
210	0.9826
220	0.8094
230	0.6711
240	0.5600
250	0.4700
260	0.4005
270	0.3432
280	0.2957
290	0.2561
300	0.2229
310	0.1949
320	0.1712
330	0.1510
340	0.1337
350	0.1188
360	0.1060
370	0.0950
380	0.0855
390	0.0772
400	0.0700
410	0.0637
420	0.0582
430	0.0533
440	0.0490
450	0.0452

Temp (°C)	Part #		
	N42-202J-354G N43-202J-354G N44-202J-354G	N42-103J-396G N43-103J-396G N44-103J-396G	N42-503J-396G N43-503J-396G
	R <sub>T</sub> (kΩ)	R <sub>T</sub> (kΩ)	R <sub>T</sub> (kΩ)
-30	25.39	179.0	819.8
-25	19.42	131.90	659.5
-20	14.97	98.10	490.5
-15	11.64	73.63	368.1
-10	9.115	55.75	278.8
-5	7.188	42.56	212.8
0	5.707	32.74	163.7
5	4.568	25.43	127.1
10	3.681	19.91	99.58
15	2.985	15.17	78.58
20	2.436	12.49	62.46
25	2.000	10.00	50.00
30	1.650	8.057	40.28
35	1.370	6.533	32.66
40	1.142	5.329	26.64
45	0.9578	4.372	21.86
50	0.8065	3.606	18.03
55	0.6825	2.992	14.96
60	0.5801	2.495	12.47
65	0.4952	2.091	10.45
70	0.4244	1.761	8.805
75	0.3652	1.489	7.446
80	0.3154	1.265	6.325
85	0.2734	1.078	5.394
90	0.2378	0.9238	4.619
95	0.2075	0.7940	3.970
100	0.1817	0.6849	3.424
105	0.1596	0.5933	2.966
110	0.1406	0.5157	2.578
115	0.1243	0.4499	2.249
120	0.1102	0.3938	1.969
125	0.0980	0.3458	1.729
130	0.0874	0.3046	1.523
135	0.0781	0.2691	1.345
140	0.0700	0.2384	1.192
145	0.0629	0.2118	1.059
150	0.0567	0.1887	0.9436
155		0.1685	0.8428
160		0.1509	0.7546
165		0.1355	0.6773
170		0.1219	0.6094
175		0.1099	0.5495
180		0.0993	0.4966
185		0.0899	0.4497
190		0.0816	0.4081
195		0.0742	0.3710
200		0.0676	0.3380
205		0.0617	0.3086
210		0.0565	0.2823
215		0.0517	0.2588
220		0.0475	0.2376
225		0.0437	0.2185
230		0.0402	0.2013
235		0.0371	0.1857
240		0.0343	0.1716
245		0.0317	0.1588
250		0.0294	0.1472
255		0.0273	0.1366
260		0.0254	0.1270
265		0.0236	0.1182
270		0.0220	0.1102
275		0.0205	0.1028
280		0.0192	0.0960
285		0.0179	0.0898
290		0.0168	0.0841
295		0.0157	0.0789
300		0.0148	0.0741



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