

## Glass Encapsulated NTC

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### FEATURES:

- High Temperature Capability (300 C Maximum)
- Hermetically Sealed
- Low Cost
- Long term stability

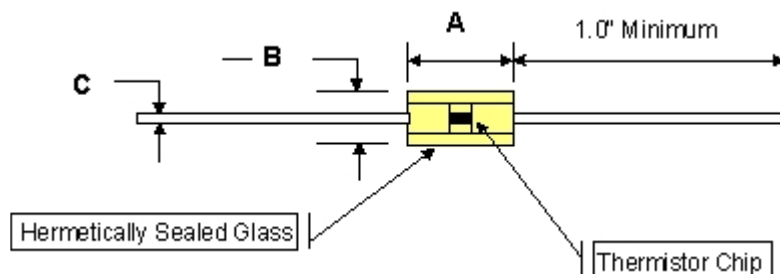
### APPLICATIONS:

- Air Conditioning Sensing and Control
- Heater Control Systems

### ELECTRICAL SPECIFICATIONS:

- Resistance-Temperature Curve "B"
- Resistance Ratio (25/125C) = 29.4
- Temperature Coefficient of Resistance (TCR) = -4.4%/C @ 25C
- Beta (25/75C) = 3965 K

### PHYSICAL SPECIFICATIONS:



## SPECIFICATION TABLE

Part Number	$\Omega$ @ 25 °C +/- 10%	Dissipation Constant  (mW/c)	Thermal Time Constant  (Seconds)	Physical Size (Nominal Dimensions in Inches)		
				A	B	C
WG1312	3,000	4	10	0.170	0.10	0.030
WG1313	5,000	4	10	0.170	0.10	0.030
WG1314	8,000	4	10	0.170	0.10	0.030
WG1315	10,000	2	8	0.150	0.07	0.020
WG1316	15,000	2	8	0.150	0.07	0.020
WG1317	20,000	2	8	0.150	0.07	0.020
WG1318	50,000	2	8	0.150	0.07	0.020
WG1319	100,000	2	8	0.150	0.07	0.020

### Options:

Tape & Reeling (Add -R to Part Number), Example:

WG1517-R, Tolerances of +/-1, 2, & 5% (Add -1 for 1%, -2 for 2%, -5 for 5%)

Example of +/-1% Tolerance: WG1517-1, Example of +/-1% Tolerance with

Tape & Reeling: WG1517-1R

## NTC THERMISTOR CURVE "B"

Temperature		Resistance  Ratio (R/R25)	Temperature		Resistance  Ratio (R/R25)
°C	°F		°C	°F	
0	32	3.2657	36	97	0.6268
1	34	3.1036	37	99	0.6016
2	36	2.9505	38	100	0.5776
3	37	2.8058	39	102	0.5546

4	39	2.6690	40	104	0.5327
5	41	2.5396	41	106	0.5117
6	43	2.4174	42	108	0.4918
7	45	2.3018	43	109	0.4726
8	46	2.1922	44	111	0.4543
9	48	2.0886	45	113	0.4369
10	50	1.9904	46	115	0.4201
11	52	1.8974	47	117	0.4041
12	54	1.8093	48	118	0.3889
13	55	1.7258	49	120	0.3742
14	57	1.6465	50	122	0.3602
15	59	1.5715	51	124	0.3467
16	61	1.5003	52	126	0.3340
17	63	1.4327	53	127	0.3217
18	64	1.3684	54	129	0.3099
19	66	1.3074	55	131	0.2986
20	68	1.2495	56	133	0.2878
21	70	1.1944	57	135	0.2774
22	72	1.1421	58	136	0.2675
23	73	1.0923	59	138	0.2580
24	75	1.0451	60	140	0.2488
25	77	1.0000	61	142	0.2400
26	79	0.9573	62	144	0.2316
27	81	0.9166	63	145	0.2235
28	82	0.8778	64	147	0.2157
29	84	0.8409	65	149	0.2083
30	86	0.8057	66	151	0.2011
31	88	0.7722	67	153	0.1941
32	90	0.7403	68	154	0.1876
33	91	0.7099	69	156	0.1813
34	93	0.6809	70	158	0.1752
35	95	0.6532			