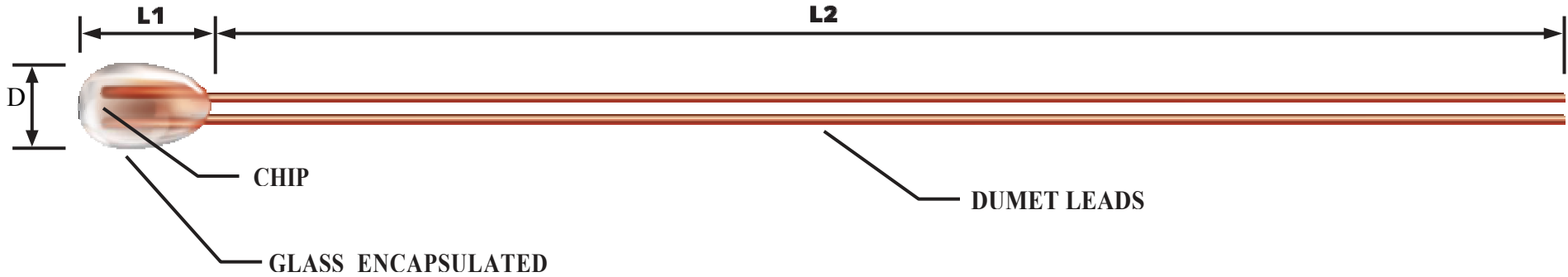


# Part Number: DG 103395




### Electrical Specifications:

Resistance @ 25°C	10 kΩ ±2%
Temperature Coefficient of Resistance	-4.40% / °C
Operating Temperature Range	-40°C to +300°C
Dissipation Constant	≥0.5mW / °C
Thermal Time Constant	≤ 6.5 Seconds
Material Constant (Beta)	3950°K ±2%
Maximum Continuous Power	30 mW

### Mechanical Specifications:

D	1.3mm ±0.2mm
L1	2.8mm Max
L2	65mm ±5.0mm
Lead Diameter	0.2mm ±0.05mm


Rev :	Date:	Change:
0	5/24/16	Issue
1	11/3/16	Changed max temp. to 300°C

DRAWN BY: C. Terry		 <b>AMETHERM</b> <i>Circuit Protection Thermistors</i>
DATE: 5/24/16	REV: 1	
ORIG. M Samii	APPR: M. Samii	NTC THERMISTOR
SHEET 1 of 2		DG 103395

## RESISTANCE VS TEMPERATURE CURVE

Temp. (°C)	Rt / R25 Nominal	Temp. Coef (% / °C)
-40	31.44855	6.46
-35	22.89318	6.25
-30	16.83443	6.05
-25	12.49793	5.87
-20	9.36276	5.69
-15	7.07441	5.52
-10	5.38899	5.37
-5	4.13692	5.21
0	3.19916	5.01
5	2.49993	4.86
10	1.96799	4.72
15	1.56013	4.58
20	1.24509	4.45
25	1.00000	4.32
30	0.80804	4.21
35	0.65672	4.09
40	0.53670	3.98
45	0.44094	3.88
50	0.36410	3.78
55	0.30218	3.68
60	0.25201	3.59
65	0.21114	3.49
70	0.17769	3.41
75	0.15017	3.32
80	0.12743	3.24
85	0.10856	3.17
90	0.09283	3.09
95	0.07967	3.02
100	0.06862	2.95

Temp. (°C)	Rt / R25 Nominal	Temp. Coef (% / °C)
105	0.05931	2.88
110	0.05143	2.82
115	0.04475	2.75
120	0.03907	2.69
125	0.03421	2.63
130	0.03004	2.57
135	0.02646	2.51
140	0.02337	2.46
145	0.02069	2.41
150	0.01837	2.38
155	0.01633	2.32
160	0.01456	2.27
165	0.01301	2.22
170	0.01166	2.17
175	0.01047	2.12
180	0.00943	2.08
185	0.00851	2.03
190	0.00769	1.99
195	0.00697	1.95
200	0.00633	1.93
205	0.00575	1.90
210	0.00524	1.86
215	0.00478	1.82
220	0.00437	1.79
225	0.00400	1.75
230	0.00366	1.72
235	0.00336	1.69
240	0.00309	1.66
245	0.00285	1.63
250	0.00263	1.60

DRAWN BY: C. Terry		
DATE: 5/24/16	REV: 1	
ORIG. M Samii	APPR: M Samii	NTC THERMISTOR
SHEET 2 of 2		DG 103395