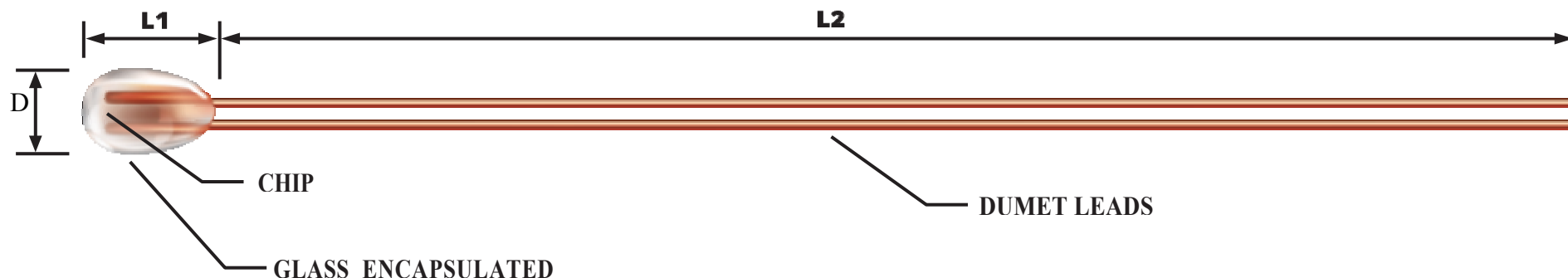


Part Number: DG 103395



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		 AMETHERM <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

SHEET 2 of 2

AMETHERM
Circuit Protection Thermistors

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DG 103395

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