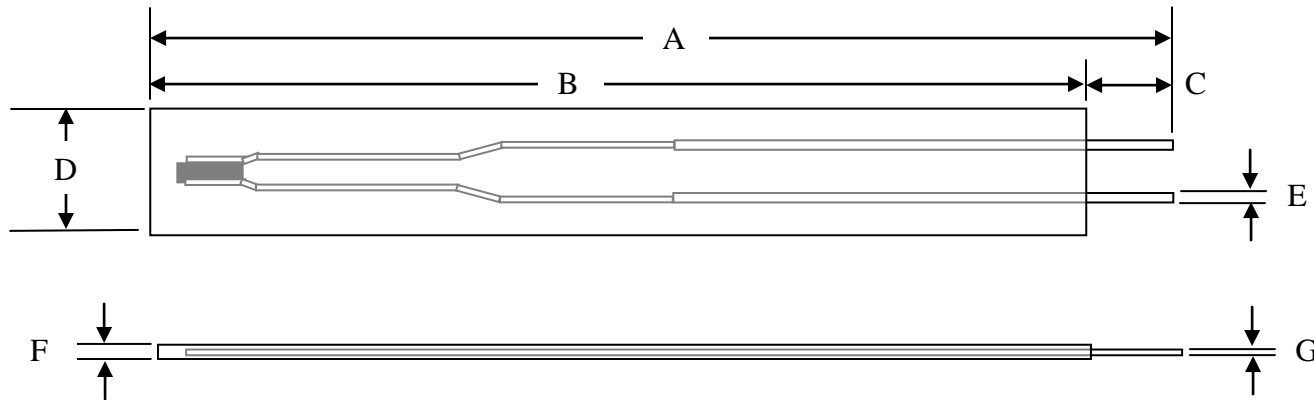


## Part Number: TF0550 103345




### Electrical Specifications

Resistance @ 25° C	10 kΩ ±2%
Temperature Coefficient of Resistance	-3.83% / °C
Operating Temperature Range	-30 °C to 125 °C
Dissipation Constant	0.7 mW / °C
Thermal Time Constant	3 seconds in air
Material Constant (Beta)	3435 °K ± 1 %
ROHS Compliant	Yes
MSL (moisture sensitivity level)	2

### Mechanical Specifications


A	50mm ±2mm
B	45mm ±2mm
C	5mm ±2mm
D	4.5mm ± 0.5mm
E	0.5mm ± 0.1mm
F	0.53mm max
G	0.15mm nom
Lead material	Tinned Copper
Film	Polyimide film

Rev:	Date:	Change:
0	4/1/16	Issue

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DATE: 4/1/16	REV: 0	
ORIG. M.Samii	APPR: M. Samii	NTC THERMISTOR PROBE
SHEET 1 of 2		TF0550 103345

## RESISTANCE VS TEMPERATURE CURVE

TEMPERATURE (°C)	Rt / R25
-30	12.252636
-25	9.397885
-20	7.270490
-15	5.670600
-10	4.456971
-5	3.528767
0	2.813311
5	2.257328
10	1.823932
15	1.483567
20	1.214363
25	1.000000
30	0.828204
35	0.689675
40	0.577314
45	0.485667
50	0.410514
55	0.348539
60	0.297246
65	0.254589
70	0.218949
75	0.189039
80	0.163832
85	0.142499
90	0.124376
95	0.108920
100	0.095691
105	0.084166
110	0.074281
115	0.065772
120	0.058420
125	0.052048

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SHEET 2 of 2		TF0550 103345