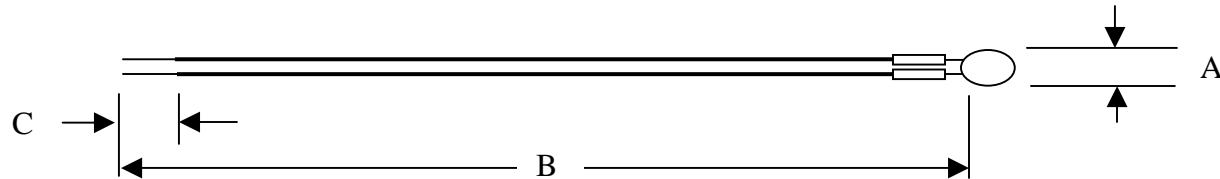


Part Number: PANE 503411




Electrical Specifications:

Resistance @ 25°C	50 kΩ ± 2%
Temperature Coefficient of Resistance	-4.43 % / °C
Operating Temperature Range	-50°C to + 150°C
Dissipation Constant	7.2mW/°C
Thermal Time Constant	6 seconds
Material Constant (Beta)	4190°K ± 1.5%

Mechanical Specifications:


A	1.5mm Diameter Max
B	304.8mm ± 12.7mm
C	6.35mm ± 2mm
Lead Diameter	30AWG (0.26mm) Teflon insulated

Rev :	Date:	Change:
0	1/6/16	Issue

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DATE: 1/6/16	REV: 0	
ORIG. M Samii	APPR: M Samii	NTC THERMISTOR
SHEET 1 of 2		PANE 503411

TEMPERATURE VS RESISTANCE CURVE

Deg C	R _T /R ₂₅	Deg C	R _T /R ₂₅	Deg C	R _T /R ₂₅	Deg C	R _T /R ₂₅	Deg C	R _T /R ₂₅	Deg C	R _T /R ₂₅
-50	72.5011	-15	7.6461	20	1.2562	55	0.2894	90	0.0865	125	0.0316
-49	67.4633	-14	7.2219	21	1.1995	56	0.2786	91	0.0838	126	0.0308
-48	62.8079	-13	6.8235	22	1.1457	57	0.2683	92	0.0813	127	0.0300
-47	58.5037	-12	6.4494	23	1.0946	58	0.2585	93	0.0788	128	0.0292
-46	54.5220	-11	6.0978	24	1.0461	59	0.2491	94	0.0764	129	0.0285
-45	50.8366	-10	5.7674	25	1.0000	60	0.2400	95	0.0741	130	0.0277
-44	47.4236	-9	5.4566	26	0.9562	61	0.2314	96	0.0719	131	0.0270
-43	44.2614	-8	5.1643	27	0.9145	62	0.2231	97	0.0697	132	0.0264
-42	41.3298	-7	4.8893	28	0.8749	63	0.2151	98	0.0676	133	0.0257
-41	38.6108	-6	4.6304	29	0.8372	64	0.2075	99	0.0656	134	0.0251
-40	36.0875	-5	4.3866	30	0.8013	65	0.2001	100	0.0637	135	0.0244
-39	33.7448	-4	4.1569	31	0.7672	66	0.1931	101	0.0618	136	0.0238
-38	31.5687	-3	3.9406	32	0.7347	67	0.1864	102	0.0600	137	0.0232
-37	29.5463	-2	3.7366	33	0.7037	68	0.1799	103	0.0583	138	0.0227
-36	27.6658	-1	3.5443	34	0.6742	69	0.1737	104	0.0566	139	0.0221
-35	25.9165	0	3.3629	35	0.6461	70	0.1677	105	0.0550	140	0.0216
-34	24.2884	1	3.1918	36	0.6193	71	0.1620	106	0.0534	141	0.0211
-33	22.7725	2	3.0304	37	0.5938	72	0.1565	107	0.0519	142	0.0206
-32	21.3603	3	2.8781	38	0.5695	73	0.1512	108	0.0504	143	0.0201
-31	20.0441	4	2.7344	39	0.5463	74	0.1461	109	0.0490	144	0.0196
-30	18.8169	5	2.5987	40	0.5241	75	0.1412	110	0.0476	145	0.0191
-29	17.6722	6	2.4705	41	0.5030	76	0.1365	111	0.0463	146	0.0187
-28	16.6039	7	2.3494	42	0.4828	77	0.1320	112	0.0450	147	0.0182
-27	15.6064	8	2.2349	43	0.4635	78	0.1276	113	0.0438	148	0.0178
-26	14.6748	9	2.1267	44	0.4451	79	0.1234	114	0.0426	149	0.0174
-25	13.8042	10	2.0243	45	0.4276	80	0.1194	115	0.0414	150	0.0170
-24	12.9903	11	1.9274	46	0.4108	81	0.1155	116	0.0403		
-23	12.2292	12	1.8357	47	0.3947	82	0.1118	117	0.0392		
-22	11.5170	13	1.7490	48	0.3794	83	0.1082	118	0.0381		
-21	10.8504	14	1.6668	49	0.3647	84	0.1048	119	0.0371		
-20	10.2263	15	1.5889	50	0.3507	85	0.1014	120	0.0361		
-19	9.6416	16	1.5151	51	0.3373	86	0.0982	121	0.0351		
-18	9.0936	17	1.4451	52	0.3245	87	0.0951	122	0.0342		
-17	8.5799	18	1.3788	53	0.3123	88	0.0922	123	0.0333		
-16	8.0981	19	1.3159	54	0.3006	89	0.0893	124	0.0324		

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SHEET 2 of 2		PANE 503411