



SURFACE MOUNT FLAG TERMINAL PROBE

SPECIFICATIONS

- **NTC Temperature Sensor**
- **Various lead lengths available**
- **Various Mounting hole sizes available**
- **Available with connector attachment**
- **RoHS Compliant**

NTC Thermistor bead is soldered to extension wires. Unit is potted in a Mylar tube. The device is then potted in the Flag Terminal housing using Black epoxy Resin.

FEATURES

- Copper housing material has excellent thermal transfer characteristics.
- Flag terminals are available in several sizes allowing a wide choice of extension wire and cables to be used in the assembly.
- Alternative hole sizes available
- Custom tolerances available
- Available in a range of R/T curves
- Temperature range -40°C to +125°C

APPLICATIONS

- Designed for bolt-in-place applications.
- Used to measure, compensate and control temperatures of motors, surface plates, heat exchangers, and fluid pumping systems
- Heat sink applications

PERFORMANCE SPECS

Parameters	Units	Value
Resistance @ +25°C	Ohms	10,000
Resistance tolerance from 0°C to +70°C	°C	± 0.2
Beta Value 25/85	K	3694
Tolerance on Beta Value 25/85	%	± 0.5
Time response in Liquids	Seconds	<5

MECHANICAL DETAILS

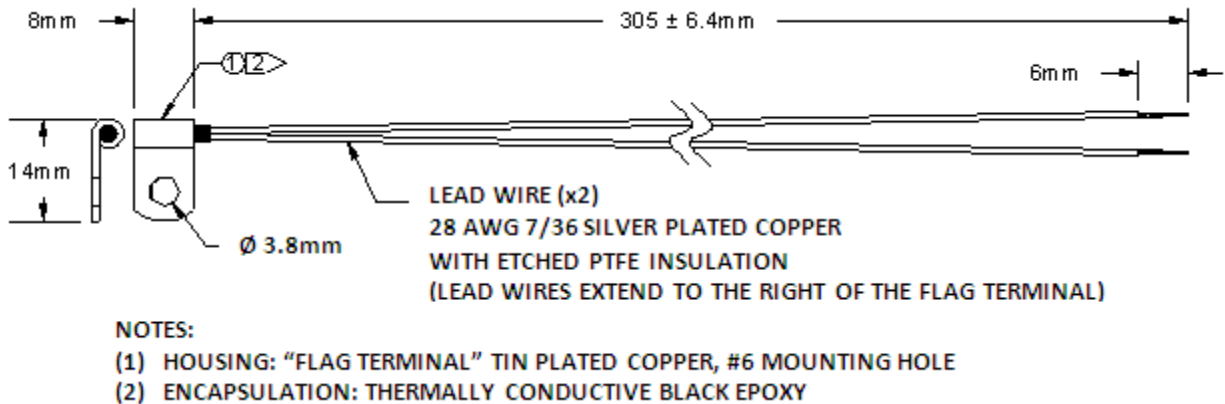


Figure 1: Surface Mount Flag Terminal Probe

RESISTANCE V TEMPERATURE TABLE

Temp. °C	Ohms	Temp. °C	Ohms	Temp. °C	Ohms	Temp. °C	Ohms
-40	239828	0	29490	41	5390	82	1372
-39	226103	1	28157	42	5195	83	1332
-38	213243	2	26891	43	5007	84	1293
-37	201188	3	25689	44	4828	85	1255
-36	189885	4	24547	45	4656	86	1218
-35	179282	5	23462	46	4490	87	1183
-34	169331	6	22431	47	4332	88	1149
-33	159991	7	21450	48	4180	89	1116
-32	151219	8	20518	49	4034	90	1084
-31	142978	9	19631	50	3893	91	1053
-30	135233	10	18787	51	3759	92	1023
-29	127952	11	17983	52	3629	93	995
-28	121104	12	17219	53	3505	94	967
-27	114661	13	16490	54	3386	95	940
-26	108598	14	15797	55	3271	96	914
-25	102889	15	15136	56	3160	97	888
-24	97513	16	14506	57	3054	98	864
-23	92448	17	13906	58	2952	99	840
-22	87675	18	13334	59	2854	100	817
-21	83174	19	12788	60	2760	101	795
-20	78930	20	12268	61	2669	102	773
-19	74926	21	11771	62	2582	103	752
-18	71148	22	11297	63	2498	104	732
-17	67581	23	10845	64	2417	105	713
-16	64212	24	10413	65	2339	106	694
-15	61031	25	10000	66	2264	107	676
-14	58024	26	9606	67	2191	108	658
-13	55182	27	9229	68	2122	109	641
-12	52495	28	8869	69	2055	110	624
-11	49954	29	8525	70	1990	111	608
-10	47549	30	8196	71	1928	112	592
-9	45274	31	7882	72	1868	113	577
-8	43119	32	7581	73	1810	114	562
-7	41079	33	7293	74	1754	115	548
-6	39147	34	7018	75	1700	116	534
-5	37316	35	6754	76	1648	117	521
-4	35580	36	6501	77	1598	118	508
-3	33935	37	6260	78	1550	119	495
-2	32375	38	6028	79	1503	120	483
-1	30895	39	5806	80	1458	121	471
		40	5594	81	1414	122	459
						123	448
						124	437
						125	426

ORDERING INFORMATION

Part Number	Description	Ω @25°C	MOQ
10K4D25	Surface Mount Flag Terminal Probe	10,000	1,000 *

* For quantities less than Minimum Order Quantity – contact distribution

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