

- SMT Ring Terminal Probe
- Temperature range -40 to +125°C
- Available in a range of sizes
- Resistance values from 2.2 - 100 kΩ
- Higher temperature range available
- Custom designs available

Applications

Industrial equipment	Transit	HVAC
Power and utilities	Computers	Home appliances
Calibration and instrumentation		

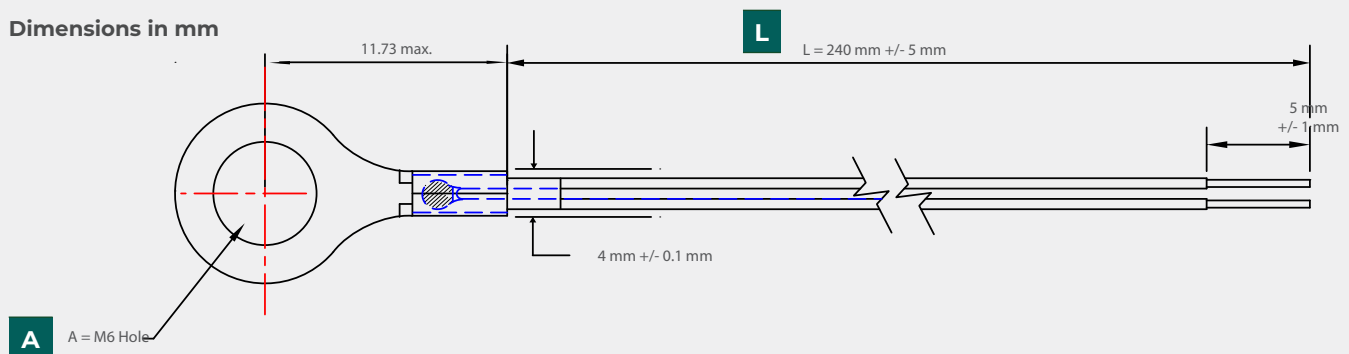
Specifications

	Unit	Value
Nominal resistance at +25°C	Ohms	10,000
Resistance tolerance from 0..70°C	°C	+/- 0.2
Beta value 25/85	K	3976
Tolerance on Beta value 25/85	%	+/- 0.5
Dissipation constant in still air	mW/°C	2
Operating temperature	°C	-40 to +125
Epoxy thermal conductivity	W/(m.K)	1.7

Materials

Leads and insulation	28AWG Solid silver plated copper leads with white Kynar insulation
Probe material	Tin plated copper

Dimensions in mm



ETP - RT - 6 - 25 - 10K3A1B
TEMPERATURE SENSOR



Ordering information

Example Code: ETP - RT - 4 - 24 - 10K3A1B

A L T

A	Probe size												
	Order Code A =	4		5		6		8		x			
	To suit stud size	M4		M5		M6		M8		Optional stud size			
L	Probe cable length												
	Order Code L =	5	10	15	20	23	25	30	35	40	45	x	
	Length in mm +/- 5 mm	50	100	150	200	230	250	300	350	400	450	Custom length	
T	Thermistor type												
	Order Code T =	All thermistor types available: Insert details as required											

Stock model:
93069-ETP-RT-4-24-10K3A1B
93549-ETP-RT-4-100-10K3A1B



Resistance v. temperature table for 10K3A1B Thermistor

Temp. °C	Ohms	Temp. °C	Ohms	Temp. °C	Ohms	Temp. °C	Ohms
-40	336,052	3	28,054	46	4,200.0	89	944.7
-39	314,512	4	26,687	47	4,040.2	90	916.0
-38	294,487	5	25,395	48	3,887.4	91	888.3
-37	275,863	6	24,172	49	3,741.1	92	861.5
-36	258,533	7	23,016	50	3,601.1	93	835.7
-35	242,399	8	21,921	51	3,467.1	94	810.8
-34	227,373	9	20,884	52	3,338.7	95	786.8
-33	213,371	10	19,903	53	3,215.8	96	763.6
-32	200,318	11	18,973	54	3,098.0	97	741.2
-31	188,144	12	18,092	55	2,985.2	98	719.5
-30	176,786	13	17,257	56	2,877.0	99	698.6
-29	166,183	14	16,465	57	2,773.3	100	678.4
-28	156,280	15	15,714	58	2,673.9	101	658.9
-27	147,029	16	15,001	59	2,578.6	102	640.0
-26	138,382	17	14,324	60	2,487.1	103	621.8
-25	130,296	18	13,682	61	2,399.4	104	604.1
-24	122,732	19	13,073	62	2,315.2	105	587.1
-23	115,653	20	12,493	63	2,234.4	106	570.6
-22	109,025	21	11,943	64	2,156.8	107	554.6
-21	102,817	22	11,420	65	2,082.3	108	539.2
-20	97,000	23	10,923	66	2,010.8	109	524.3
-19	91,547	24	10,450	67	1,942.1	110	509.8
-18	86,433	25	10,000	68	1,876.0	111	495.8
-17	81,636	26	9,572.0	69	1,812.6	112	482.3
-16	77,134	27	9,164.7	70	1,751.6	113	469.2
-15	72,907	28	8,777.0	71	1,693.0	114	456.5
-14	68,937	29	8,407.8	72	1,636.6	115	444.2
-13	65,206	30	8,056.1	73	1,582.4	116	432.3
-12	61,700	31	7,721.0	74	1,530.2	117	420.8
-11	58,403	32	7,401.7	75	1,480.1	118	409.6
-10	55,301	33	7,097.3	76	1,431.8	119	398.8
-9	52,383	34	6,807.1	77	1,385.3	120	388.3
-8	49,636	35	6,530.3	78	1,340.6	121	378.2
-7	47,049	36	6,266.3	79	1,297.5	122	368.3
-6	44,612	37	6,014.3	80	1,256.1	123	358.8
-5	42,315	38	5,773.8	81	1,216.1	124	349.5
-4	40,150	39	5,544.3	82	1,177.7	125	340.6
-3	38,109	40	5,325.0	83	1,140.6		
-2	36,183	41	5,115.7	84	1,104.9		
-1	34,366	42	4,915.6	85	1,070.4		
0	32650	43	4,724.5	86	1,037.3		
1	31,030	44	4,541.7	87	1,005.3		
2	29,500	45	4,367.1	88	974.4		