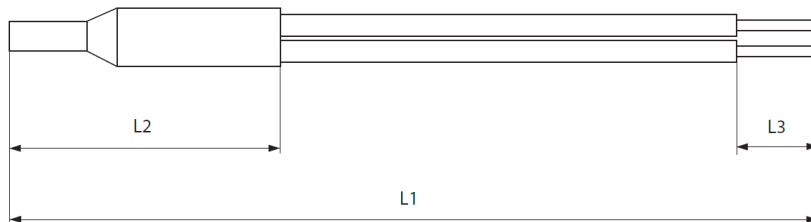


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Silicone temperature sensor LPTC 1000

Alternative to senzoru KTY83-110



L1 – lead length
L2 – length of shrink tube
L3 – stripped length (stripped or partly stripped)

(Dimensions according to customers specifications)

Senzor:

Typ:	LPTC 1000
Resistance at 25°C:	1000 Ω (min. 990 Ω - max. 1010 Ω)
Resistance at 100°C:	1696 Ω (min 1659 Ω - max. 1733 Ω)
Resistance tolerance at 25°C:	+/- 1%
Temperature measurement range:	-55 °C ÷ 150 °C
Continuous sensor current :	2 mA (max. 8mA by 25°C)
Dimensions:	4 x 2,0 mm

Lead wire:

Conductor size: AWG 24
Insulation material: ETFE
Standard color: black - red
UL Style: UL10126 - 150°C

Insulation cap:

Shrink tube: KYNAR ®, UL224 150°C 600 V

Resistance values:

Temperature	T/°C	LPTC 1000			Temp. error
		Resistance (Ω)			
(°C)	% / (K)	Min.	Nomin.	Max.	(K)
-55	0,99	475	490	505	± 3,02
-50	0,98	500	515	530	± 2,92
-40	0,96	552	567	582	± 2,74
-30	0,93	609	624	638	± 2,55
-20	0,91	669	684	698	± 2,35
-10	0,88	733	747	761	± 2,14
0	0,85	802	815	828	± 1,91
10	0,83	874	886	898	± 1,67
20	0,8	950	961	972	± 1,41
25	0,79	990	1000	1010	± 1,27
30	0,78	1029	1040	1051	± 1,39
40	0,75	1108	1122	1136	± 1,64
50	0,73	1192	1209	1225	± 1,91
60	0,71	1278	1299	1319	± 2,19
70	0,69	1369	1392	1416	± 2,49
80	0,67	1462	1490	1518	± 2,8
90	0,65	1559	1591	1623	± 3,12
100	0,63	1659	1696	1733	± 3,46
110	0,61	1762	1805	1847	± 3,83
120	0,58	1867	1915	1963	± 4,33
130	0,52	1970	2023	2077	± 5,07
140	0,45	2065	2124	2184	± 6,28
150	0,35	2145	2211	2277	± 8,55

R-T characteristic:

