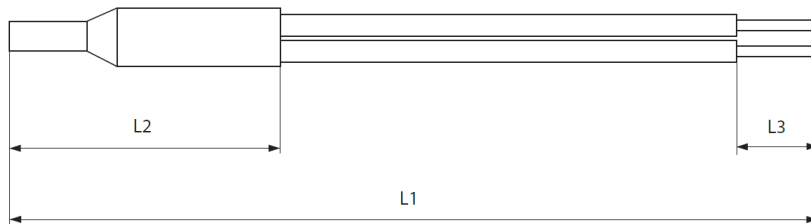


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Silicone temperature sensor LPTC 600

Alternative to sensor KTY84-130



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

(Dimensions according to customers specifications)

Senzor:

Typ:	LPTC 600
Resistance at 25°C:	603 Ω (min. 577 Ω - max. 629 Ω)
Resistance at 100°C:	1000 Ω (min 970 Ω - max. 1030 Ω)
Resistance tolerance at 100°C:	+/- 3%
Temperature measurement range:	-40 °C ÷ 180 °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: white - red
UL Style: UL10126 - 150°C

Insulation cap:

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

Resistance values:

Temperature	T/°C	LPTC 600			Temp. error
		Resistance (Ω)			
(°C)	% / (K)	Min.	Nomin.	Max.	(K)
-40	0,84	340	359	379	$\pm 6,48$
-30	0,83	370	391	411	$\pm 6,36$
-20	0,82	403	424	446	$\pm 6,26$
-10	0,8	437	460	483	$\pm 6,16$
0	0,79	474	498	522	$\pm 6,07$
10	0,77	514	538	563	$\pm 5,98$
20	0,75	555	581	607	$\pm 5,89$
25	0,74	577	603	629	$\pm 5,84$
30	0,73	599	626	652	$\pm 5,79$
40	0,71	645	672	700	$\pm 5,69$
50	0,7	694	722	750	$\pm 5,59$
60	0,68	744	773	801	$\pm 5,47$
70	0,66	797	826	855	$\pm 5,34$
80	0,64	852	882	912	$\pm 5,21$
90	0,63	910	940	970	$\pm 5,06$
100	0,61	970	1000	1030	$\pm 4,9$
110	0,6	1029	1062	1096	$\pm 5,31$
120	0,58	1089	1127	1164	$\pm 5,73$
130	0,57	1152	1194	1235	$\pm 6,17$
140	0,55	1216	1262	1309	$\pm 6,63$
150	0,54	1282	1334	1385	$\pm 7,1$
160	0,53	1350	1407	1463	$\pm 7,59$
170	0,52	1420	1482	1544	$\pm 8,1$
180	0,51	1492	1560	1628	$\pm 8,62$

R-T characteristic:

