

KTY81 220 temperature sensor

Specs				Voltage divider, calculating V _{out} V _{in} =5V							
temp (c)	r_min	r_typ	r_max	R1=1000		R1=2000		R1=3240		R1=10000	
				[V]	[A_in]	[V]	[A_in]	[V]	[A_in]	[V]	[A_in]
-55	941	980	1019	2.475	506.8	1.644	336.8	1.161	237.8	0.446	91.4
-50	990	1030	1070	2.537	519.6	1.700	348.1	1.206	247.0	0.467	95.6
-40	1094	1135	1176	2.658	544.4	1.810	370.7	1.297	265.7	0.510	104.4
-30	1205	1247	1289	2.775	568.3	1.920	393.3	1.390	284.6	0.554	113.5
-20	1325	1367	1410	2.888	591.4	2.030	415.7	1.484	303.8	0.601	123.1
-10	1452	1595	1538	3.073	629.4	2.218	454.3	1.649	337.8	0.688	140.9
0	1587	1630	1673	3.099	634.6	2.245	459.8	1.674	342.7	0.701	143.5
10	1730	1772	1814	3.196	654.6	2.349	481.1	1.768	362.0	0.753	154.1
20	1881	1922	1963	3.289	673.6	2.450	501.8	1.862	381.3	0.806	165.1
25	1960	2000	2040	3.333	682.7	2.500	512.0	1.908	390.8	0.833	170.7
30	2036	2080	2123	3.377	691.5	2.549	522.0	1.955	400.4	0.861	176.3
40	2194	2245	2295	3.459	708.4	2.644	541.6	2.046	419.1	0.917	187.7
50	2359	2417	2475	3.537	724.3	2.736	560.3	2.136	437.5	0.973	199.3
60	2531	2597	2663	3.610	739.3	2.825	578.5	2.225	455.6	1.031	211.1
70	2709	2785	2860	3.679	753.5	2.910	596.0	2.311	473.3	1.089	223.1
80	2894	2980	3065	3.744	766.7	2.992	612.8	2.395	490.6	1.148	235.1
90	3086	3392	3278	3.862	790.8	3.145	644.2	2.557	523.7	1.266	259.4
100	3284	3392	3500	3.862	790.8	3.145	644.2	2.557	523.7	1.266	259.4
110	3487	3607	3728	3.915	801.7	3.217	658.7	2.634	539.4	1.325	271.4
120	3683	3817	3950	3.962	811.4	3.281	671.9	2.704	553.9	1.381	282.9
125	3775	3915	4055	3.983	815.7	3.309	677.8	2.736	560.3	1.407	288.1
130	3861	4008	4154	4.002	819.5	3.336	683.1	2.765	566.3	1.431	293.0
140	4008	4166	4325	4.032	825.8	3.378	691.9	2.813	576.0	1.470	301.1
150	4110	4280	4450	4.053	830.1	3.408	697.9	2.846	582.8	1.499	306.9
max-min				1.578	323.2	1.763	361.1	1.685	345.0	1.052	215.5
30-20				0.088	18.0	0.099	20.2	0.099	19.1	0.055	11.2