

Linear Resistor Datasheet



1. Introduction to Linear Resistor and PTC Thermistor

The KTY Series Linear PTC Thermistor, including the KTY84-130, are designed to provide accurate temperature sensing with a Linear Resistor characteristic. This Linear Thermistor ensures stable performance in a wide range of applications, such as automotive, industrial automation, and consumer electronics. Learn more at [KTY Series Linear PTC Thermistor page](#).

2. Technical Specifications of KTY84-130 Linear PTC Thermistor

The KTY84-130 is a highly reliable Linear Thermistor with a precise resistance-to-temperature relationship. It offers superior stability for applications requiring motor protection and temperature monitoring. Key technical specifications include:

1. Series: KTY Series Linear PTC Thermistor
2. Type: KTY81, KTY82, KTY83, KTY84-130
3. Resistance (R25): 1 K Ω , 2 K Ω
4. Tolerance: $\pm 1\%$, $\pm 2\%$, $\pm 3\%$, $\pm 5\%$
5. Max Current: 5-8mA

For detailed technical specifications, visit [KTY Series Linear PTC Thermistor page](#).

KTY81-84 Specification&Part No.:

Item	Part No.	Resistance(Ω) at 25 $^{\circ}$ C			Rated Current	Max Current	Remarks
		Min	Max	Tolerance ($\pm\%$)	Itype(mA)	I _{max} (mA)	
1	KTY81-110	990	1010	$\pm 1\%$	5	8	
2	KTY81-120	980	1020	$\pm 2\%$	5	8	
3	KTY81-121	980	1000	$\pm 2\%$	5	8	
4	KTY81-122	1000	1020	$\pm 2\%$	5	8	
5	KTY81-150	950	1050	$\pm 5\%$	5	8	
6	KTY81-151	950	1000	$\pm 5\%$	5	8	
7	KTY81-152	1000	1050	$\pm 5\%$	5	8	
8	KTY81-210	1980	2020	$\pm 1\%$	5	8	
9	KTY81-220	1960	2040	$\pm 2\%$	5	8	
10	KTY81-221	1960	2000	$\pm 2\%$	5	8	
11	KTY81-222	2000	2040	$\pm 2\%$	5	8	
12	TY81-250	1900	2100	$\pm 5\%$	5	8	
13	TY81-251	1900	2000	$\pm 5\%$	5	8	
14	KTY81-252	2000	2100	$\pm 5\%$	5	8	
15	KTY82-110	990	1010	$\pm 1\%$	5	8	
16	KTY82-120	980	1020	$\pm 2\%$	5	8	

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17	KTY82-121	980	1000	±2%	5	8	
18	KTY82-122	1000	1020	±2%	5	8	
19	KTY82-150	950	1050	±5%	5	8	
20	KTY82-151	950	1000	±5%	5	8	
21	KTY82-152	1000	1050	±5%	5	8	
22	KTY82-210	1980	2020	±1%	5	8	
23	KTY82-220	1960	2040	±2%	5	8	
24	KTY82-221	1960	2000	±2%	5	8	
25	KTY82-222	2000	2040	±2%	5	8	
26	KTY82-250	1900	2100	±5%	5	8	
27	KTY82-251	1900	2000	±5%	5	8	
28	KTY82-252	2000	2100	±5%	5	8	
29	KTY83-200	200		±1%~±5%	5	8	
30	KTY83-500	500		±1%~±5%	5	8	
31	KTY83-550	550		±1%~±5%	5	8	
32	KTY83-600	600		±1%~±5%	5	8	
33	KTY83-1000	1000		±1%~±5%	5	8	
34	KTY83-1200	1200		±1%~±5%	5	8	
35	KTY83-1400	1400		±1%~±5%	5	8	
36	KTY83-1500	1500		±1%~±5%	5	8	
37	KTY83-1600	1600		±1%~±5%	5	8	
38	KTY83-2000	2000		±1%~±5%	5	8	
39	KTY83-4000	4000		±1%~±5%	5	8	
40	KTY83-4050	4050		±1%~±5%	5	8	
41	KTY83-4500	4500		±1%~±5%	5	8	
42	KTY83-110	990	1010	±1%	5	8	
43	KTY83-120	980	1020	±2%	5	8	
44	KTY83-121	980	1000	±2%	5	8	
45	KTY83-122	1000	1020	±2%	5	8	
46	KTY83-150	950	1050	±5%	5	8	
47	KTY83-151	950	1000	±5%	5	8	
48	KTY83-152	1000	1050	±5%	5	8	
49	KTY84-130	970(at100°C)	1030(at100°C)	R100=±3%	5	8	Mainly used for motor protection
50	KTY84-150	950(at100°C)	1050(at100°C)	R100=±5%	5	8	
51	KTY84-151	950(at100°C)	1000(at100°C)	R100=±5%	5	8	
52	KTY84-152	1000(at100°C)	1050(at100°C)	R100=±5%	5	8	

3. Conclusion on Linear Resistor and KTY84-130 PTC Thermistor

The KTY Series Linear PTC Thermistor, particularly the KTY84-130, offers unmatched accuracy and stability. With its Linear Resistor behavior, this Linear Thermistor is ideal for temperature-sensitive applications. Explore more about these thermistors by visiting the [KTY Series Linear PTC Thermistor page](#).