

NTC DISC THERMISTORS

Description

Ketema Rodan NTC Disc thermistors are available in resistances from 1.0 to 200,000 ohms. They are suitable over a range of resistance values and temperature coefficients from relatively low resistances and temperature coefficients to very high values. Resistance tolerance of $\pm 1\%$ through $\pm 20\%$ are available. Tolerances are specified at 25°C , or at any temperature within the operating range.

Features

- Wide Range of Values
- Highly Stable
- Conforms to MIL-T-23648

Options

- Encapsulation
- With or Without Leads
- Special Leads

NTC Standard Disc Thermistor Specifications

Part Number	Resis. @25°C (Ohms) $\pm 10\%$	R-T Curve	D (In.)	THK (In.)	D.C.	T.C.	Leads AWG#	S (In.)
5DA4R0K	4	A	.50	.065	14	60	22	.330
5DA5R0K	5	A	.50	.080	15	70	22	.330
2DA100K	10	A	.20	.025	7	18	24	.100
3DA100K	10	A	.30	.060	8	48	24	.100
5DA100K	10	A	.50	.150	17	120	22	.330
3DA150K	15	A	.30	.090	8	55	24	.100
2DA200K	20	A	.20	.050	7	20	24	.100
1DA300K	30	A	.10	.020	3	5	28	.070
2DA300K	30	A	.20	.075	7	25	24	.100
1DA500K	50	A	.10	.030	3	6	28	.070
2DA500K	50	A	.20	.120	7	30	24	.100
3DB500K	50	B	.30	.025	8	35	24	.100
4DB500K	50	B	.40	.045	9	50	22	.330
1DA101K	100	A	.10	.060	3	10	28	.070
2DB101K	100	B	.20	.025	7	18	24	.100
2DB151K	150	B	.20	.035	7	19	24	.100
2DB201K	200	B	.20	.050	7	20	24	.100
2DB301K	300	B	.20	.070	7	25	24	.100
3DB301K	300	B	.30	.150	9	75	24	.100
1DB501K	500	B	.10	.030	3	6	28	.070
2DB501K	500	B	.20	.120	7	30	24	.100
4DC501K	500	C	.40	.070	9	65	22	.330

Maximum temperature rating: 150°C

Part Number	Resis. @25°C (Ohms) $\pm 10\%$	R-T Curve	D (In.)	THK (In.)	D.C.	T.C.	Leads AWG#	S (In.)
1DB102K	1,000	B	.10	.060	3	10	28	.070
2DC102K	1,000	C	.20	.035	7	18	24	.100
3DC102K	1,000	C	.30	.080	8	48	24	.100
3DD102K	1,000	D	.30	.050	8	48	24	.100
1DB202K	2,000	B	.10	.120	4	14	28	.070
2DC202K	2,000	C	.20	.070	7	25	24	.100
2DD202K	2,000	D	.20	.050	7	20	24	.100
2DC302K	3,000	C	.20	.100	7	30	24	.100
3DC302K	3,000	C	.30	.210	10	90	24	.100
2DC402K	4,000	C	.20	.125	7	32	24	.100
1DC502K	5,000	C	.10	.040	3	8	28	.070
2DC502K	5,000	C	.20	.160	8	36	24	.100
1DD502K	5,000	D	.10	.030	3	10	28	.070
1DC103K	10,000	C	.10	.080	4	12	28	.070
1DD103K	10,000	D	.10	.050	3	10	28	.070
2DE103K	10,000	E	.20	.020	7	17	24	.100
3DE103K	10,000	E	.30	.050	8	48	24	.100
2DE203K	20,000	E	.20	.040	7	20	24	.100
2DE303K	30,000	E	.20	.060	7	25	24	.100
1DE503K	50,000	E	.10	.030	3	6	28	.070
2DE503K	50,000	E	.20	.100	7	30	24	.100
1DE104K	100,000	E	.10	.060	3	9	28	.070

NTC CHIP THERMISTORS

Description

Ketema Rodan NTC Chip thermistors are available in a multitude of resistance values ranging from 100 ohms to 500,000 ohms. Just as with Ketema Rodan NTC Disc thermistors, they are suitable over a range of resistance values and temperature coefficients from relatively low resistances and temperature coefficients to very high values. Other chip sizes are available.

Features

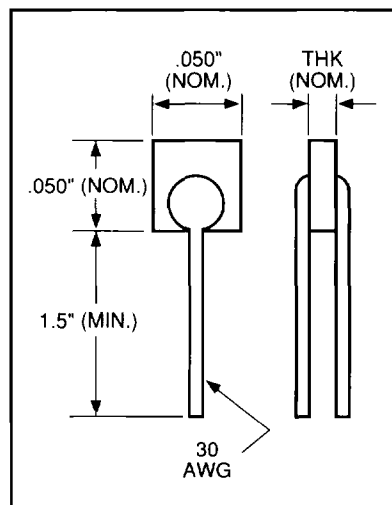
- Fast Thermal Response Time
- Wide Range of Values
- Highly Accurate & Stable

Options

- Encapsulation
- With or Without Leads

Applications

- SMD
- Hybrids
- Temperature Sensing
- Time Delay
- Amplitude Control
- Temperature Compensation



NTC Standard Chip Thermistor Specifications

Part Number	Resistance @25°C (Ohms) $\pm 10\%$	R-T Curve	THK (In.)	D.C.	T.C.
05CA101K	100	A	.020	2	2
05CA151K	150	A	.025	2	2
05CA201K	200	A	.030	2	2
05CA251K	250	A	.040	2	2
05CA301K	300	A	.050	2	3
05CA401K	400	A	.070	2	3
05CA501K	500	A	.080	2	3
05CB102K	1,000	B	.020	2	2
05CB152K	1,500	B	.025	2	2
05CB202K	2,000	B	.030	2	2
05CB302K	3,000	B	.050	2	3
05CB402K	4,000	B	.070	2	3
05CB502K	5,000	B	.080	2	3
05CC802K	8,000	C	.020	2	2
05CC103K	10,000	C	.025	2	2
05CC153K	15,000	C	.035	2	2
05CC203K	20,000	C	.050	2	3
05CC253K	25,000	C	.060	2	3
05CC303K	30,000	C	.075	2	3
05CE104K	100,000	E	.020	2	2
05CE154K	150,000	E	.025	2	2
05CE204K	200,000	E	.030	2	2
05CE304K	300,000	E	.050	2	3
05CE404K	400,000	E	.065	2	3
05CE504K	500,000	E	.080	2	3

Maximum temperature rating: 150°C