

Kingtronics®

NKT-GP

Negative Temperature Coefficient (NTC)
Thermistor

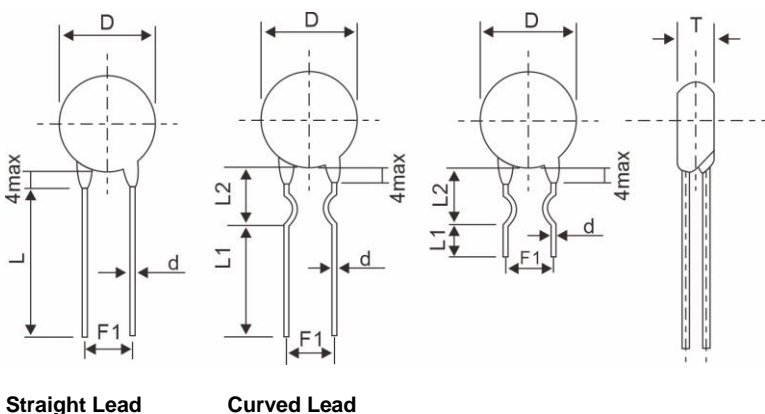
FEATURES

- ◆ Small size, strong power, and strong capability of surge current protection.
- ◆ Fast response to surge current.
- ◆ Longevity of service, High reliability.
- ◆ Integral series extensive operating range.

APPLICATION

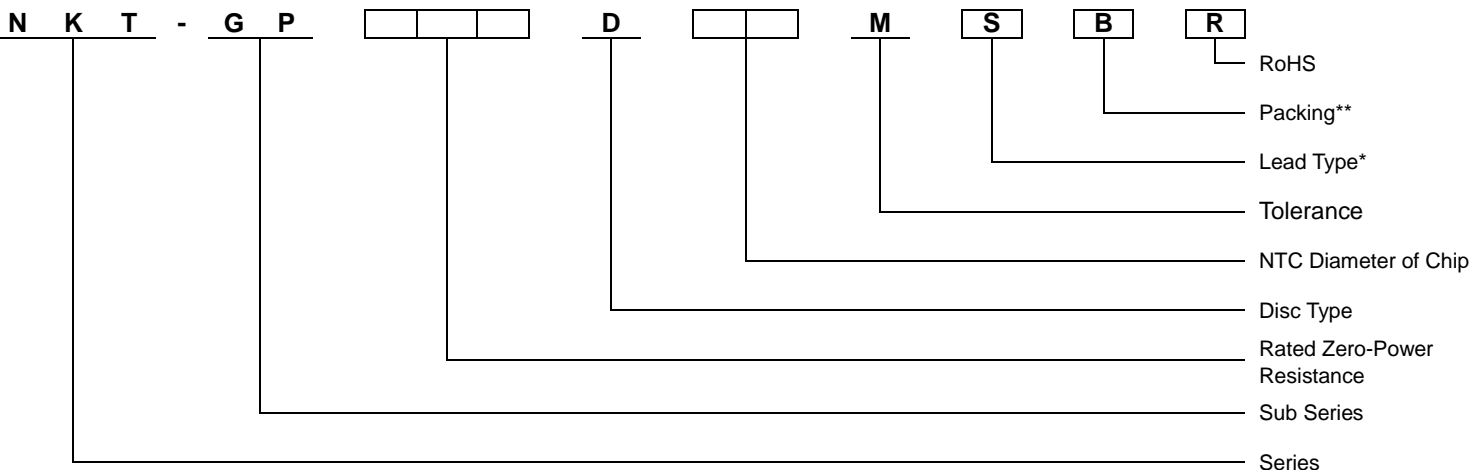
- ◆ Conversion Power-supply, Switch Power, UPS Power.
- ◆ Electronic energy saving lamp, Electronic ballast, and all kinds of electric heater.
- ◆ All kinds of RT, display.
- ◆ Bulb and other lighting lamps

DIMENSIONS (Unit: mm)



Dim (mm)	D max	T Max	d ± 0.05	F1 ± 1	Straight lead		Curved lead	
					L min	L1 min	L2 ± 2	
D05	7.0	5	0.6/0.45	5/2.5	25	17/5	8/5	
D07	9.0	5	0.6	5	25	17/5	8/5	
D09	11.0	5.5	0.8/0.6	7.5/5	25	17/5	8/5	
D11	13.0	5.5	0.8	7.5/5	25	17/5	8/5	
D13	15.5	6	0.8	7.5	25	17/5	8/5	
D15	17.5	6	0.8	10/7.5	25	17/5	8/5	
D20	22.5	7	1.0	10/7.5	25	--	--	
D25	27.5	8	1.0	10/7.5	25	--	--	

HOW TO ORDER



*S for Straight Lead ; C for Curved Lead

**B for Bulk ; A for Ammo

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Main Technical Parameters

Part Code	R ₂₅ Ω	Max. Steady State Current	Approx. R of Max. Cur. (Ω)	Dissi. Coef. (mW/°C)	Thermal time Constant(S)	Operating Temp. (°C)
050D05	5	1	0.353	6	20	-40~+150
100D05	10	0.7	0.771	6	20	-40~+150
600D05	60	0.3	1.878	6	18	-40~+150
201D05	200	0.1	18.70	6	18	-40~+150
050D07	5	2	0.283	10	30	-40~+150
080D07	8	1	0.539	9	28	-40~+150
100D07	10	1	0.616	9	27	-40~+150
120D07	12	1	0.816	9	27	-40~+150
160D07	16	0.7	1.003	9	27	-40~+150
220D07	22	0.6	1.108	9	27	-40~+150
330D07	33	0.5	1.485	10	28	-40~+150
201D07	200	0.2	11.65	11	28	-40~+150
030D09	3	4	0.120	11	35	-40~+170
040D09	4	3	0.190	11	35	-40~+170
050D09	5	3	0.210	11	34	-40~+170
060D09	6	2	0.315	11	34	-40~+170
080D09	8	2	0.400	11	32	-40~+170
100D09	10	2	0.458	11	32	-40~+170
120D09	12	1	0.652	11	32	-40~+170
160D09	16	1	0.802	11	31	-40~+170
200D09	20	1	0.864	11	30	-40~+170
220D09	22	1	0.950	11	30	-40~+170
300D09	30	1	1.022	11	30	-40~+170
330D09	33	1	1.124	11	30	-40~+170
500D09	50	1	1.252	11	30	-40~+170
600D09	60	0.8	1.502	11	31	-40~+170
800D09	80	0.8	2.010	11	30	-40~+170
121D09	120	0.8	3.015	11	30	-40~+170
201D09	200	0.5	5.007	11	32	-40~+170
401D09	400	0.2	30.30	11	32	-40~+170
2R5D11	2.5	5	0.095	13	43	-40~+170
030D11	3	5	0.100	13	43	-40~+170
040D11	4	4	0.150	13	44	-40~+170
050D11	5	4	0.156	13	45	-40~+170
060D11	6	3	0.240	13	45	-40~+170
080D11	8	3	0.255	14	47	-40~+170
100D11	10	3	0.275	14	47	-40~+170
120D11	12	2	0.462	14	48	-40~+170
160D11	16	2	0.470	14	50	-40~+170
200D11	20	2	0.512	15	52	-40~+170
220D11	22	2	0.563	15	52	-40~+170
300D11	30	1.5	0.667	15	52	-40~+170
330D11	33	1.5	0.734	15	52	-40~+170
500D11	50	1.5	1.021	15	52	-40~+170
600D11	60	1.5	1.215	15	52	-40~+170
800D11	80	1.2	1.656	15	52	-40~+170

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Thermistor**Main Technical Parameters**

Part Code	R ₂₅ Ω	Max. Steady State Current	Approx. R of Max. Cur. (Ω)	Dissi. Coef. (mW/°C)	Thermal time Constant(S)	Operating Temp. (°C)
1R3D13	1.3	7	0.062	13	60	-40~+200
1R5D13	1.5	7	0.073	13	60	-40~+200
2R5D13	2.5	6	0.088	13	60	-40~+200
030D13	3	6	0.092	14	60	-40~+200
040D13	4	5	0.120	15	67	-40~+200
050D13	5	5	0.125	15	68	-40~+200
060D13	6	4	0.170	15	65	-40~+200
070D13	7	4	0.188	15	65	-40~+200
080D13	8	4	0.194	15	60	-40~+200
100D13	10	4	0.206	15	65	-40~+200
120D13	12	3	0.316	16	65	-40~+200
150D13	15	3	0.335	16	60	-40~+200
160D13	16	3	0.338	16	60	-40~+200
200D13	20	3	0.372	16	65	-40~+200
300D13	30	2.5	0.517	16	65	-40~+200
470D13	47	2	0.810	17	65	-40~+200
121D13	120	1.2	2.124	17	65	-40~+200
1R3D15	1.3	8	0.048	18	68	-40~+200
1R5D15	1.5	8	0.052	18	69	-40~+200
2R5D15	2.5	7	0.065	18	76	-40~+200
030D15	3	7	0.075	18	76	-40~+200
050D15	5	6	0.112	20	76	-40~+200
060D15	6	5	0.156	20	80	-40~+200
070D15	7	5	0.173	20	80	-40~+200
080D15	8	5	0.178	20	80	-40~+200
100D15	10	5	0.180	20	75	-40~+200
120D15	12	4	0.250	20	75	-40~+200
150D15	15	4	0.268	21	85	-40~+200
160D15	16	4	0.276	21	70	-40~+200
200D15	20	4	0.288	21	86	-40~+200
300D15	30	3.5	0.438	21	75	-40~+200
470D15	47	3	0.680	21	86	-40~+200
121D15	120	1.8	1.652	22	87	-40~+200
0R7D20	0.7	11	0.018	24	89	-40~+200
1R3D20	1.3	9	0.037	24	88	-40~+200
030D20	3	8	0.055	24	88	-40~+200
050D20	5	7	0.087	24	87	-40~+200
060D20	6	6	0.113	25	103	-40~+200
080D20	8	6	0.142	25	105	-40~+200
100D20	10	6	0.162	25	102	-40~+200
120D20	12	5	0.195	25	100	-40~+200
160D20	16	5	0.212	25	100	-40~+200
0R7D25	0.7	12	0.014	30	120	-40~+200
1R5D25	1.5	10	0.027	30	121	-40~+200
030D25	3	9	0.044	32	124	-40~+200
050D25	5	8	0.070	32	125	-40~+200
080D25	8	7	0.114	33	125	-40~+200
100D25	10	7	0.130	32	127	-40~+200
120D25	12	6	0.156	32	126	-40~+200
160D25	16	6	0.160	35	126	-40~+200

Remark: Unless the particular indication, the allowable tolerance of R₂₅ is ± 20%

Note: Specifications are subject to change without notice.

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