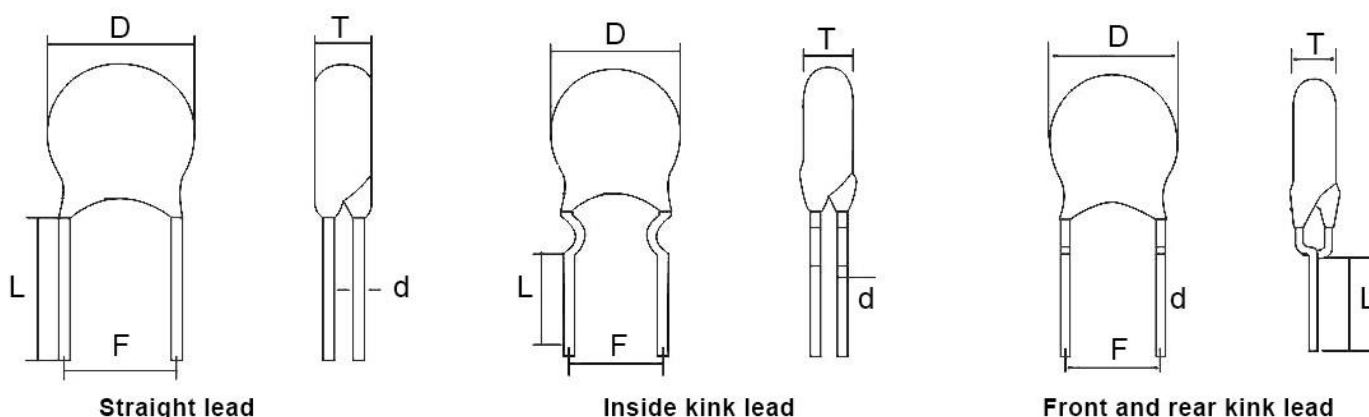


**DISCONTINUED
PRODUCTS****Kingtronics**®**NKT NTC Thermistor**
Negative Temperature Coefficient Thermistor**FEATURES**

Large power, strong capacity of suppression of inrush current
Big material constant (B value), small residual resistance
Small size, Long life, high reliability and fast response

APPLICATIONS

Switching power-supply, switch power, ups power
Electronic energy saving lamps, electronic ballast and all kinds of electric heater
All kinds of RT, display and other lighting lamps

DRAWING:

Note: if no special request, commonly offer inside kink lead with long lead.

DIMENSIONS:

SIZE	D MAX	T MAX	d±0.1	F	Straight Lead Wire Lmin
NKT□□□D-05	7	5	0.55	5	15
NKT□□□D-07	9	5	0.55	5	15
NKT□□□D-09	11	5.5	0.75	7.5	15
NKT□□□D-11	13	5.5	0.75	7.5	15
NKT□□□D-13	15.5	6	0.75	7.5	15
NKT□□□D-15	17.5	6	0.75	7.5	15
NKT□□□D-20	22.5	7	1.0	10	15

Kingtronics® International Company

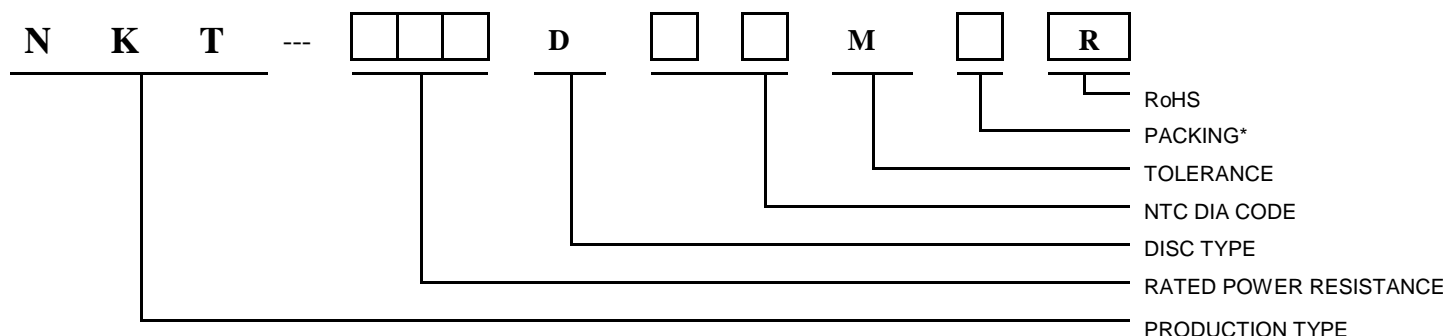
**DISCONTINUED
PRODUCTS**

Kingtronics®

NKT NTC Thermistor

Negative Temperature Coefficient Thermistor

HOW TO ORDER



*B for Bulk; A for Ammo; T for Tape & Reel

Negative Temperature Coefficient Thermistor D-05 Series

SPECIFICATION

Part No	Rated zero power resistance @ 25°C (Ω)	Maximum steady current @ 25°C (A)	Residual resistance at Maximum Steady Current @ 25°C (Ω)	B25/85(K) ±10%	Heat time constant (S)	Dissipation factor (mW/°C)	Operating temperature range (°C)
NKT050D05M	5	1	0.353	2500	<20	>6	-40°C~155°C
NKT100D05M	10	0.7	0.771	2600	<20	>6	-40°C~155°C
NKT200D05M	20	0.5	1.253	2600	<20	>6	-40°C~155°C

Negative Temperature Coefficient Thermistor D-07 Series

SPECIFICATION

Part No	Rated zero power resistance @ 25°C (Ω)	Maximum steady current @ 25°C (A)	Residual resistance at Maximum Steady Current @ 25°C (Ω)	B25/85(K) ±10%	Heat time constant (S)	Dissipation factor (mW/°C)	Operating temperature range (°C)
NKT050D07M	5	2	0.283	2600	<30	>10	-40°C~175°C
NKT080D07M	8	1	0.539	2600	<28	>9	-40°C~175°C
NKT100D07M	10	1	0.616	2800	<27	>9	-40°C~175°C
NKT120D07M	12	1	0.816	2800	<27	>9	-40°C~175°C
NKT160D07M	16	0.7	1.003	2800	<27	>9	-40°C~175°C
NKT200D07M	20	0.6	1.102	2800	<27	>9	-40°C~175°C
NKT220D07M	22	0.6	1.108	2800	<27	>9	-40°C~175°C

Kingtronics® International Company

**DISCONTINUED
PRODUCTS****Kingtronics**®**NKT NTC Thermistor**
Negative Temperature Coefficient Thermistor**Negative Temperature Coefficient Thermistor D-09 Series****SPECIFICATION**

Part No	Rated zero power resistance @ 25°C (Ω)	Maximum steady current @ 25°C (A)	Residual resistance at Maximum Steady Current @ 25°C (Ω)	B25/85(K) ±10%	Heat time constant (S)	Dissipation factor (mW/°C)	Operating temperature range (°C)
NKT030D09M	3	4	0.12	2600	<35	>11	-40°C~175°C
NKT050D09M	5	3	0.21	2600	<34	>11	-40°C~175°C
NKT060D09M	6	2	0.315	2600	<34	>11	-40°C~175°C
NKT080D09M	8	2	0.4	2600	<32	>11	-40°C~175°C
NKT100D09M	10	2	0.458	2600	<32	>11	-40°C~175°C
NKT120D09M	12	1	0.652	2600	<32	>11	-40°C~175°C
NKT160D09M	16	1	0.802	2600	<31	>11	-40°C~175°C
NKT200D09M	20	1	0.864	2600	<30	>11	-40°C~175°C
NKT220D09M	22	1	0.95	2600	<30	>11	-40°C~175°C

Negative Temperature Coefficient Thermistor D-11 Series**SPECIFICATION**

Part No	Rated zero power resistance @ 25°C (Ω)	Maximum steady current @ 25°C (A)	Residual resistance at Maximum Steady Current @ 25°C (Ω)	B25/85(K) ±10%	Heat time constant (S)	Dissipation factor (mW/°C)	Operating temperature range (°C)
NKT2R5D11M	2.5	5	0.095	2600	<43	>13	-40°C~175°C
NKT030D11M	3	5	0.1	2600	<43	>13	-40°C~175°C
NKT050D11M	5	4	0.156	2800	<45	>13	-40°C~175°C
NKT080D11M	8	3	0.255	2800	<47	>14	-40°C~175°C
NKT100D11M	10	3	0.275	2800	<47	>14	-40°C~175°C
NKT120D11M	12	2	0.462	2800	<48	>14	-40°C~175°C
NKT150D11M	15	2	0.468	2800	<50	>14	-40°C~175°C
NKT160D11M	16	2	0.47	2800	<50	>14	-40°C~175°C
NKT200D11M	20	2	0.512	3000	<52	>15	-40°C~175°C
NKT220D11M	22	2	0.563	3000	<52	>15	-40°C~175°C

Kingtronics® International CompanyWebsite: www.kingtronics.com Email: info@kingtronics.com Tel: (852) 8106 7033 Fax: (852) 8106 7099

**DISCONTINUED
PRODUCTS****Kingtronics**®**NKT NTC Thermistor**
Negative Temperature Coefficient Thermistor**Negative Temperature Coefficient Thermistor D-13 Series****SPECIFICATION**

Part No	Rated zero power resistance @ 25°C (Ω)	Maximum steady current @ 25°C (A)	Residual resistance at Maximum Steady Current @ 25°C (Ω)	B25/85(K) ±10%	Heat time constant (S)	Dissipation factor (mW/°C)	Operating temperature range (°C)
NKT2R5D13M	2.5	6	0.088	2600	<60	>13	-40°C~200°C
NKT030D13M	3	6	0.092	2600	<60	>14	-40°C~200°C
NKT4R7D13M	4.7	5	0.1469	2800	<67	>15	-40°C~200°C
NKT050D13M	5	5	0.125	2800	<68	>15	-40°C~200°C
NKT080D13M	8	4	0.194	3000	<60	>15	-40°C~200°C
NKT100D13M	10	4	0.206	3000	<65	>15	-40°C~200°C
NKT160D13M	16	3	0.338	3200	<60	>16	-40°C~200°C
NKT180D13M	18	3	0.356	3200	<60	>16	-40°C~200°C
NKT200D13M	20	3	0.372	3200	<65	>16	-40°C~200°C

Negative Temperature Coefficient Thermistor D-15 Series**SPECIFICATION**

Part No	Rated zero power resistance @ 25°C (Ω)	Maximum steady current @ 25°C (A)	Residual resistance at Maximum Steady Current @ 25°C (Ω)	B25/85(K) ±10%	Heat time constant (S)	Dissipation factor (mW/°C)	Operating temperature range (°C)
NKT1R5D15M	1.5	8	0.052	2600	<69	>18	-40°C~200°C
NKT2R5D15M	2.5	7	0.065	2800	<76	>18	-40°C~200°C
NKT030D15M	3	7	0.075	2800	<76	>18	-40°C~200°C
NKT050D15M	5	6	0.112	3000	<76	>20	-40°C~200°C
NKT070D15M	7	5	0.173	3000	<80	>20	-40°C~200°C
NKT080D15M	8	5	0.178	3000	<80	>20	-40°C~200°C
NKT100D15M	10	5	0.18	3200	<75	>20	-40°C~200°C
NKT150D15M	15	4	0.268	3200	<85	>21	-40°C~200°C
NKT160D15M	16	4	0.276	3200	<70	>21	-40°C~200°C
NKT180D15M	18	4	0.3375	3200	<70	>21	-40°C~200°C
NKT200D15M	20	4	0.288	3200	<86	>21	-40°C~200°C

Kingtronics® International Company

**DISCONTINUED
PRODUCTS****Kingtronics**®**NKT** NTC Thermistor
Negative Temperature Coefficient Thermistor**Negative Temperature Coefficient Thermistor D-20 Series****SPECIFICATION**

Part No	Rated zero power resistance @ 25°C (Ω)	Maximum steady current @ 25°C (A)	Residual resistance at Maximum Steady Current @ 25°C (Ω)	B25/85(K) ±10%	Heat time constant (S)	Dissipation factor (mW/°C)	Operating temperature range (°C)
NKT1R3D20M	1.3	9	0.037	2600	<88	>24	-40°C~200°C
NKT2R5D20M	2.5	8	0.052	2800	<88	>24	-40°C~200°C
NKT030D20M	3	8	0.055	2800	<88	>24	-40°C~200°C
NKT050D20M	5	7	0.087	3000	<87	>24	-40°C~200°C
NKT080D20M	8	6	0.142	3000	<105	>25	-40°C~200°C
NKT100D20M	10	6	0.162	3200	<102	>25	-40°C~200°C
NKT160D20M	16	5	0.212	3200	<100	>25	-40°C~200°C

Note: For others resistance which not be listed above, please refer to our sales.

Kingtronics® International CompanyWebsite: www.kingtronics.comEmail: info@kingtronics.com

Tel: (852) 8106 7033

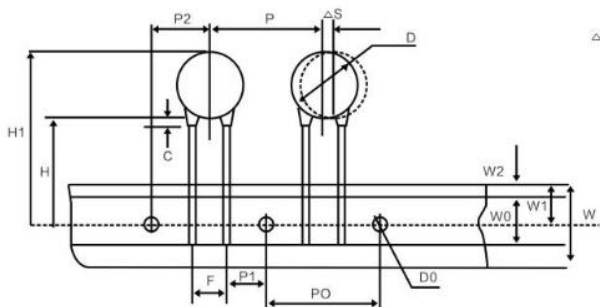
Fax: (852) 8106 7099

**DISCONTINUED
PRODUCTS**

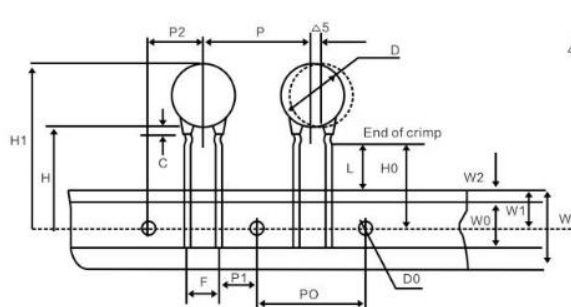
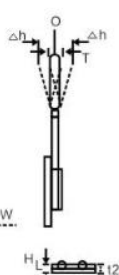
Kingtronics®

NKT NTC Thermistor
Negative Temperature Coefficient Thermistor

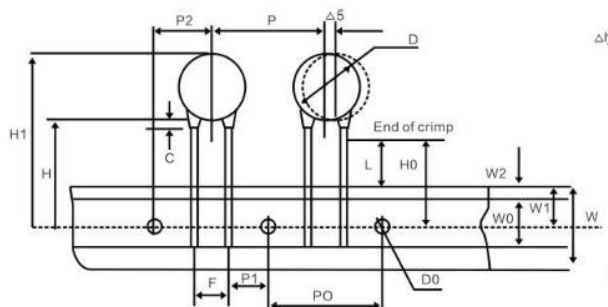
TAPING SPECIFICATION : Type Style (□D-5/□D-7/□D-9 Series)



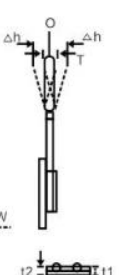
▲ Straight lead taping



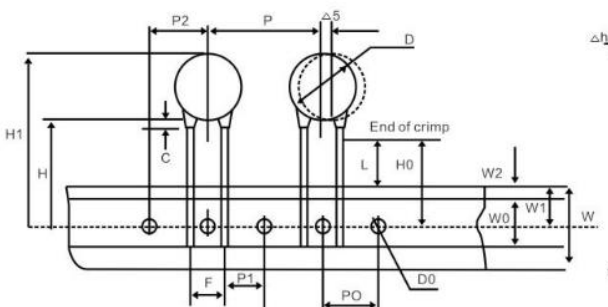
▲ Inside kink lead taping



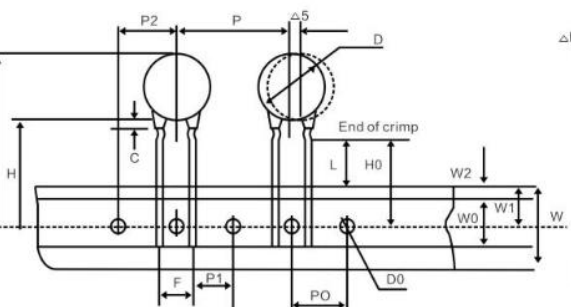
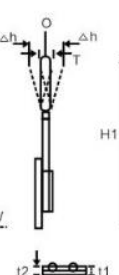
▲ Front and rear kink lead taping



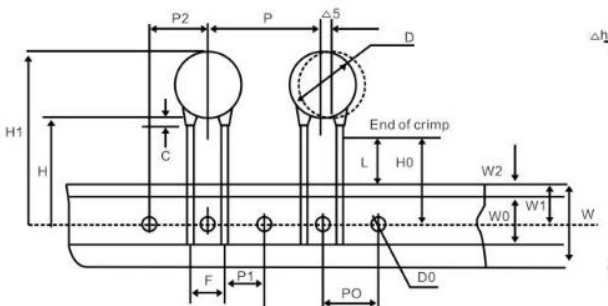
TAPING SPECIFICATION : Type Style (□D-11/□D-13/□D-15 Series)



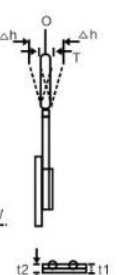
▲ Straight lead



▲ Inside kink lead taping



▲ Front and rear kink lead taping



Kingtronics® International Company

**DISCONTINUED
PRODUCTS****Kingtronics**®**NKT** NTC Thermistor

Negative Temperature Coefficient Thermistor

Negative Temperature Coefficient Thermistor Taping Specification

Unit : mm

Symbol	Parameter	□D-5/□D-7/□D-9	□D-11/□D-13/□D-15
P	Pitch Component	12.7±1.0	25.4±1.0
P0	Feed Hold	12.7±0.3	12.7±1.0
P1	Feed Hold Center to Lead	3.85±0.7	8.95±1.5
P2	Hold Center to Component Center	6.35±1.3	12.7±1.5
F	Lead to Lead Distance	5.0±0.8	7.5±0.8
W	Tape Width	18.0+1.5/-1.0	18.0+1.0/-0.5
W0	Hold Down Tape Width	10.5Max	10.5Max
W1	Hold Position	9.0+0.75/-0.5	9.0±0.75
W2	Hold Down Tape Position	3.0max	3.0max
H	Height from Tape Center to Component	20.0±2.0	20.0±2.0
H0	Height from Tape Center to Component	16.0±1.0	16.0±1.0
t	Total Tape Thickness	0.5±0.2	0.5±0.2
T2	Thickness of Tape, wire, Carries tape	1.7Max	1.7Max
c	The Length of the coating lead	3Max	3Max
Δh	Component Alignment	0±2.0	0±2.0
D0	Feed Hold Diameter	4.0±0.2	4.0±0.2

Note: Specifications are subject to change without notice.

Kingtronics® International Company