

Product Specification

Number: L-KLS6-MF72

Name: NTC Thermistor Series

Customer: _____

Date: 2023-5-18

Customer Signature:



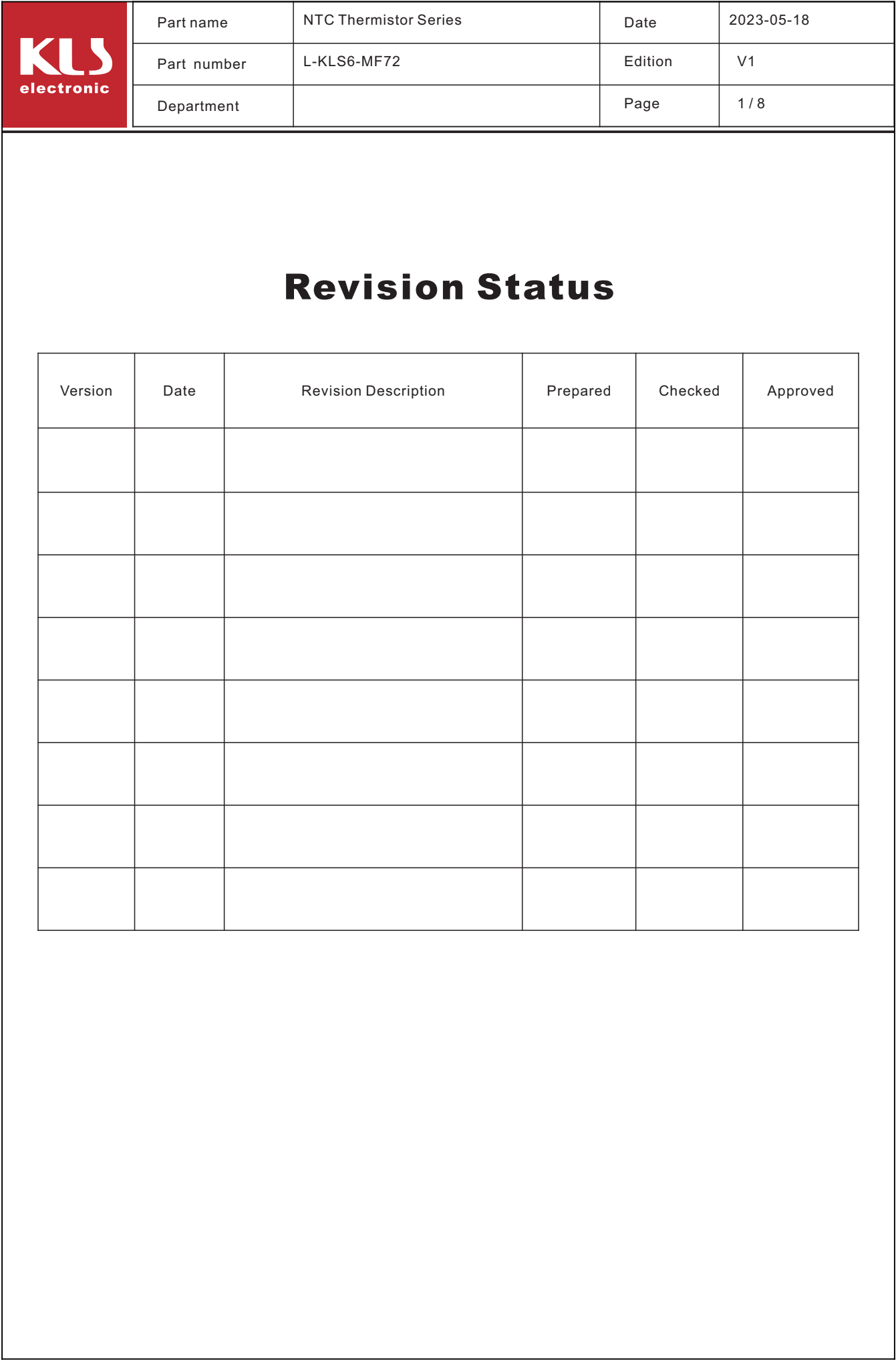
NINGBO KLS ELECTRONIC CO; LTD

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**ADD : NO. 8-1, RONGXIA RD. XIAPU SHANQIAN
INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.**

Compi	Check	Review	Approva
Jenny	Jack.C		



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Revision Status

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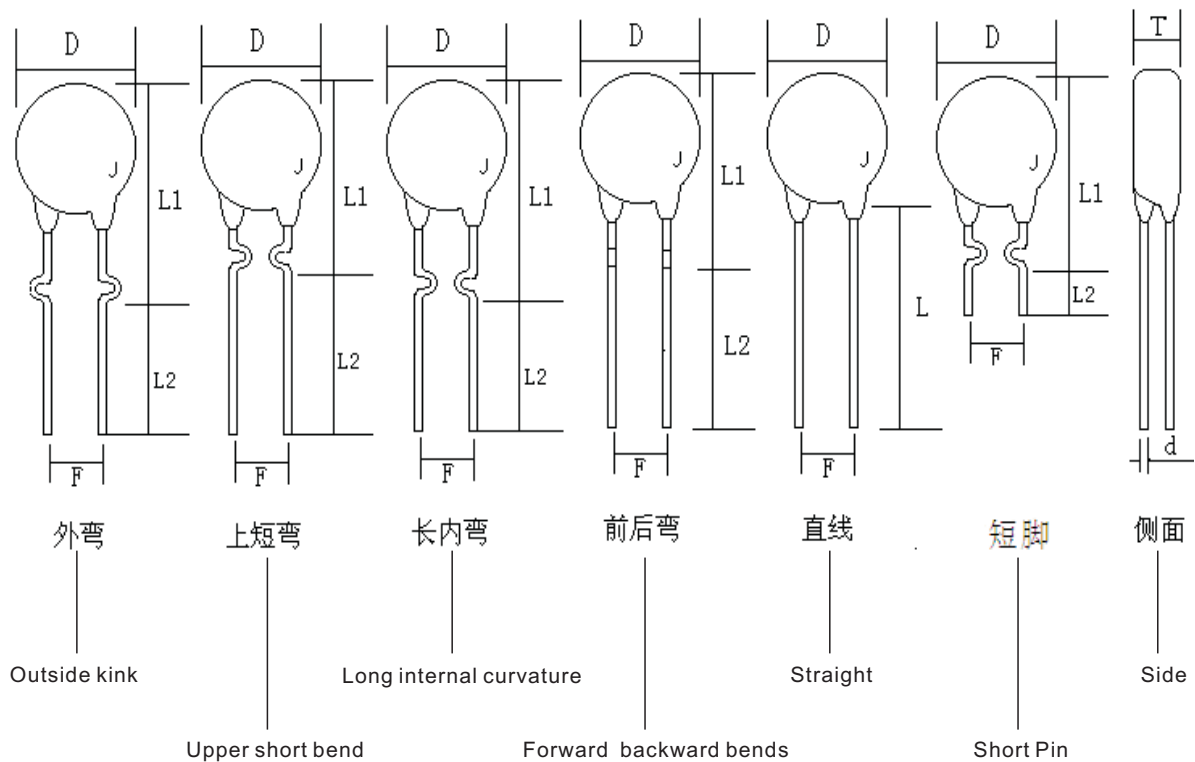
Characteristic:

1. Small product size and body size $\Phi 5\text{mm} \sim \Phi 30\text{mm}$
2. High power, strong surge suppression ability, and fast response speed
3. Long service life and high reliability
4. Full range and wide application range
5. High rated power
6. Wide working temperature range: $-40^{\circ}\text{C} \sim +200^{\circ}\text{C}$

Application scope

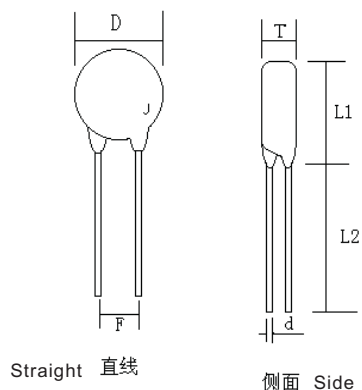
1. Switching power supply, conversion power supply, UPS power supply
2. Electronic energy-saving lamps, incandescent lamps, other lighting fixtures
3. Transformer, adapter
4. Various types of picture tubes and displays

External dimensions

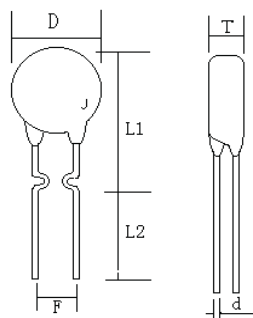


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Main technical parameters



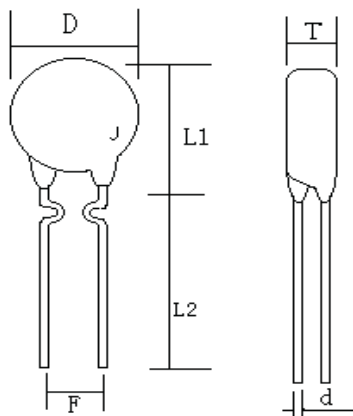
Silver chip size	Dmax (成品)	F±1.0	T Max	LMin	d±0.06
Φ5	6.0	2.5/5.0	5.0	25.0	0.45/0.6
Φ7	8.0	5.0	5.0	25.0	0.6/0.8
Φ8	10.0	5.0/7.5	5.0	25.0	0.6/0.8
Φ10	12.0	5.0/7.5	5.0	25.0	0.6/0.8
Φ13	14.0	7.5	5.5	25.0	0.8
Φ15	16.0	7.5	5.5	25.0	0.8
Φ20	22.0	7.5/10	6.5	20.0	1.0
Φ25	26.0	10.0	6.5	20.0	1.0
Φ30	32.0	10.0	6.5	20.0	1.0



Long internal curvature 长内弯 侧面 Side

Silver chip size	Dmax (成品)	F±1.0	T Max	L1Max	L2Min	d±0.06
Φ7	8	5	5	16	20	0.6/0.8
Φ9	10	5.0/7.5	5	19	20	0.6/0.8
Φ11	12	5.0/7.5	5	20	20	0.6/0.8
Φ13	14	7.5	5.5	22	20	0.8
Φ15	16	7.5	5.5	24	20	0.8
Φ20	22	7.5/10	6.5	26	18	1.0
Φ25	26	10	6.5	32	16	1.0
Φ30	32	10	6.5	32	16	1.0

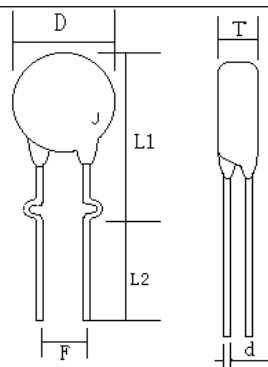
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Upper short bend 上短弯

侧面 Side

Silver chip size	Dmax (成品)	F±1.0	T Max	L1Max	L2Min	d±0.06
Φ5	6	2.5/5.0	5	10	20	0.45/0.6
Φ7	8	5	5	11	20	0.6/0.8
Φ9	10	5.0/7.5	5	15	20	0.6/0.8
Φ11	12	5.0/7.5	5	17	20	0.6/0.8
Φ13	14	7.5	5.5	19	20	0.8
Φ15	16	7.5	5.5	20	20	0.8

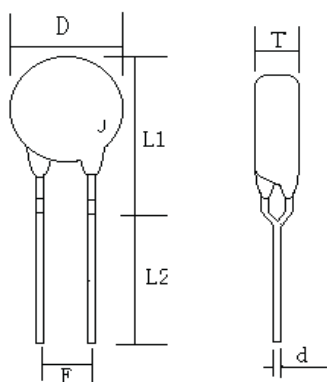


Outside kink 外弯

侧面 Side

Silver chip size	Dmax (成品)	F±1.0	T Max	L1Max	L2Min	d±0.06
Φ5	6	2.5/5.0	5	9	20	0.45/0.6
Φ7	8	5.0	5	15	20	0.6/0.8
Φ9	10	5.0/7.5	5	16	20	0.6/0.8
Φ11	12	5.0/7.5	5	18	20	0.6/0.8
Φ13	14	7.5	5.5	19	20	0.8
Φ15	16	7.5	5.5	22	20	0.8
Φ20	22	7.5/10	6.5	28	20	1.0
Φ25	26	10	6.5	35	20	1.0
Φ30	32	10	6.5	39	20	1.0

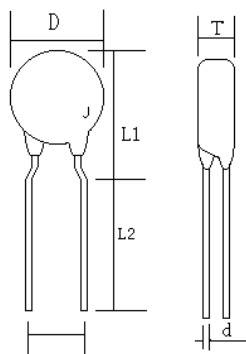
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Forward backward bends 前后弯

侧面 Side

Silver chip size	Dmax (成品)	F±1.0	T Max	L1Max	L2Min	d±0.06
Φ7	8	5	5	12	20	0.6/0.8
Φ9	10	5.0/7.5	5	13	20	0.6/0.8
Φ11	12	5.0/7.5	5	16	20	0.6/0.8
Φ13	14	7.5	5.5	18	20	0.8
Φ15	16	7.5	5.5	21	20	0.8



Tower bend 塔弯

側面 Side

[illegible]

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ORDER INFORMATION

KLS6-MF72-XX-D XX

Part Number Inrush limite NTC thermistor
Mf72 series Chip Diameter
Rated Zero Power Resistance

L-KLS6-MF72 Power NTC Thermistors Series

Part No	Rated Resistance	Max.Steady State Current	Approx.R of Max.Cur	Dissi Coef.	Thermal time Constant	capacitance
	(Ω)	(A)	(Ω)	(mW/°C)	(S)	(μ F)
MF72-5D5	5	1	0.318	7	18	100
MF72-10D5	10	0.7	0.694	7	18	68
MF72-4D8	4	3	0.171	15	28	330
MF72-5D8	5	3	0.189	15	29	330
MF72-6D8	6	2	0.194	15	28	220
MF72-8D8	8	2	0.360	15	30	220
MF72-10D8	10	2	0.412	15	30	220
MF72-15D8	15	1	0.587	15	30	100
MF72-20D8	20	1	0.724	15	30	100
MF72-30D8	30	1	0.920	15	31	100
MF72-1D8	1	5				
MF72-1.3DXX	1.3	5				
MF72-1.5DXX	1.5	5				

MF72-2.5D10	2.5	5	0.086	17	43	570
MF72-3D10	3	5	0.900	17	44	570
MF72-4D10	4	4	0.135	17	44	470
MF72-5D10	5	4	0.140	17	44	470
MF72-8D10	8	3	0.230	17	45	330
MF72-10D10	10	3	0.248	17	45	330
MF72-12D10	12	2	0.416	18	45	220
MF72-15D10	15	2	0.423	18	46	220
MF72-16D10	16	2	0.423	18	46	220
MF72-20D10	20	2	0.461	18	46	220
MF72-22D10	22	2	0.507	19	46	220
MF72-30D10	30	1.5	0.600	19	46	150
MF72-50D10	50	1.0	0.919	19	47	100
MF72-80D10	80	1.0	1.490	19	47	100
MF72-1.3D13	1.3	7	0.056	18	60	740
MF72-1.5D13	1.5	7	0.066	18	62	740
MF72-2.5D13	2.5	6	0.079	18	62	680
MF72-4D13	4	5	0.108	19	63	570
MF72-5D13	5	5	0.113	19	64	570
MF72-7D13	7	4	0.169	19	62	470
MF72-8D13	8	4	0.175	19	62	470
MF72-10D13	10	4	0.185	19	62	470
MF72-12D13	12	3	0.285	20	63	330
MF72-15D13	15	3	0.303	20	63	330
MF72-16D13	16	3	0.304	20	62	330
MF72-20D13	20	3	0.335	20	62	330
MF72-1.3D15	1.3	8	0.043	21	76	820
MF72-1.5D15	1.5	8	0.067	25	76	820
MF72-2.5D15	2.5	8	0.680	25	80	820
MF72-3D15	3	7	0.680	25	80	740
MF72-5D15	5	6	0.101	25	81	680
MF72-6D15	6	5	0.140	25	82	570
MF72-7D15	7	5	0.156	25	82	570
MF72-8D15	8	5	0.160	25	80	570
MF72-10D15	10	5	0.162	25	78	570
MF72-12D15	12	4	0.225	25	75	470
MF72-15D15	15	4	0.234	25	83	470
MF72-16D15	16	4	0.248	25	84	470
MF72-20D15	20	4	0.259	25	83	470
MF72-30D15	30	3.5	0.394	25	83	330
MF72-47D15	47	3	0.612	25	84	330
MF72-120D15	120	2.5	1.482	25	85	220

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MF72-0.7D20	0.7	12	0.016	31	85	2200
MF72-1.5D20	1.5	9	0.033	31	99	1100
MF72-3D20	3	8	0.049	31	102	860
MF72-5D20	5	7	0.078	31	103	740
MF72-6D20	6	6	0.102	31	100	680
MF72-8D20	8	6	0.128	31	97	680
MF72-10D20	10	6	0.146	30	97	680
MF72-12D20	12	5	0.176	30	98	570
MF72-16D20	16	5	0.191	30	98	570
MF72-1D25	1	13	0.013	36	124	3300
MF72-1.5D25	1.5	10	0.024	36	124	1100
MF72-2.5D25	2.5	9	0.039	38	124	1100
MF72-3D25	3	9	0.039	38	124	1100
MF72-5D25	5	8	0.063	38	123	860
MF72-8D25	8	7	0.103	38	123	740
MF72-10D25	10	7	0.117	38	124	740
MF72-12D25	12	6	0.140	38	125	680
MF72-15D25	15	6	0.044	40	125	680
MF72-1D30	1	30	0.013	36	124	4700
MF72-2D30	2	23	0.039	38	124	3300