

## MF72 Power NTC Thermistor series

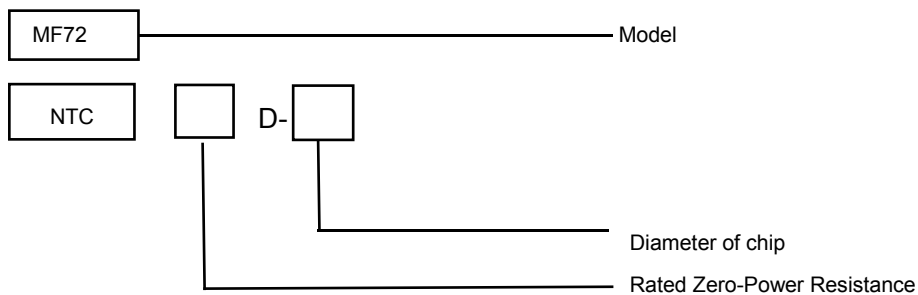
### Applications

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

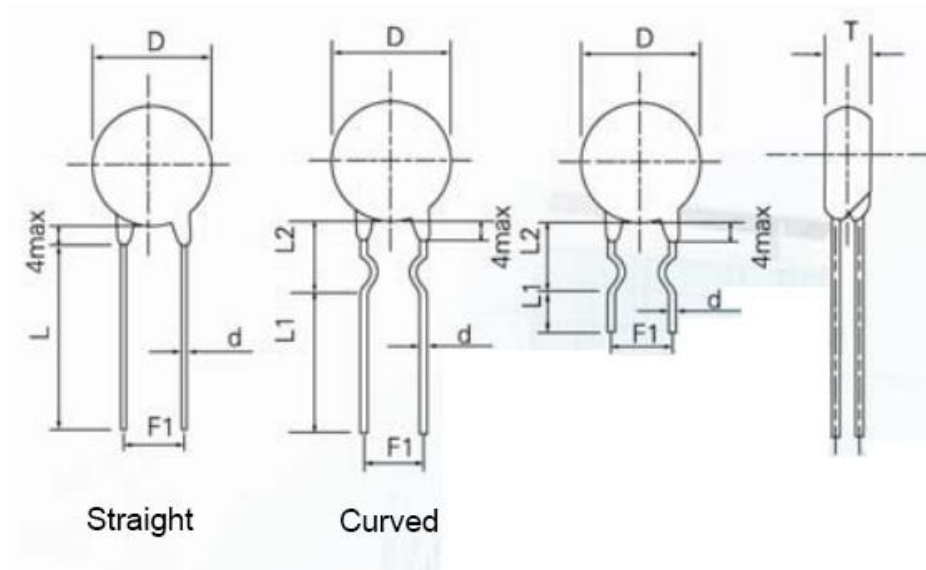
### Approvals



### Specification



### Dimensions(mm)



	Dmax	T max	d ±0.05	F1 ±1	Straight lead	Curved lead	
					Lmin	L1min	L2 ±2
MF72 □ D5	7.0	5	0.6/0.45	5/2.5	25	17/5	8/5
MF72 □ D7	9.0	5	0.6	5	25	17/5	8/5
MF72 □ D9	11.0	5.5	0.8/0.6	7.5/5	25	17/5	8/5
MF72 □ D11	13.0	5.5	0.8	7.5/5	25	17/5	8/5
MF72 □ D13	15.5	6	0.8	7.5	25	17/5	8/5
MF72 □ D15	17.5	6	0.8	10/7.5	25	17/5	8/5
MF72 □ D20	22.5	7	1	10/7.5	25	/	/
MF72 □ D25	27.5	8	1	10/7.5	25	/	/

□ **Main Technical Parameters**

Part No. MF72 NTC	R25(Ω)	Max. Steady State Current	Approx. R of Max. Current	Dissi. Coef. (mW/°C)	Thermal Time Constant(S)	Operating Temp.(°C)	UL
<b>D-5 NTC Thermistor</b>							
5D-5	5	1	0.353	6	20	-40~+150	✓
10D-5	10	0.7	0.771	6	20	-40~+150	✓
60D-5	60	0.3	1.878	6	18	-40~+150	
200D-5	200	0.1	18.7	6	18	-40~+150	✓
<b>D-7 NTC Thermistor</b>							
5D-7	5	2	0.283	10	30	-40~+150	✓
8D-7	8	1	0.539	9	28	-40~+150	✓
10D-7	10	1	0.616	9	27	-40~+150	✓
12D-7	12	1	0.816	9	27	-40~+150	
16D-7	16	0.7	1.003	9	27	-40~+150	✓
22D-7	22	0.6	1.108	9	27	-40~+150	✓
33D-7	33	0.5	1.485	10	28	-40~+150	✓
200D-7	200	0.2	11.65	11	28	-40~+150	✓
<b>D-9 NTC Thermistor</b>							
3D-9	3	4	0.12	11	35	-40~+170	✓
4D-9	4	3	0.19	11	35	-40~+170	✓
5D-9	5	3	0.21	11	34	-40~+170	✓
6D-9	6	2	0.315	11	34	-40~+170	✓

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

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8D-9	8	2	0.4	11	32	-40~+170	✓
10D-9	10	2	0.458	11	32	-40~+170	✓
12D-9	12	1	0.652	11	32	-40~+170	✓
16D-9	16	1	0.802	11	31	-40~+170	✓
20D-9	20	1	0.864	11	30	-40~+170	✓
22D-9	22	1	0.95	11	30	-40~+170	✓
30D-9	30	1	1.022	11	30	-40~+170	✓
33D-9	33	1	1.124	11	30	-40~+170	✓
50D-9	50	1	1.252	11	30	-40~+170	✓
<b>D-11 NTC Thermistor</b>							
2.5D-11	2.5	5	0.095	13	43	-40~+170	✓
3D-11	3	5	0.1	13	43	-40~+170	✓
4D-11	4	4	0.15	13	44	-40~+170	✓
5D-11	5	4	0.156	13	45	-40~+170	✓
6D-11	6	3	0.24	13	45	-40~+170	✓
8D-11	8	3	0.255	14	47	-40~+170	✓
10D-11	10	3	0.275	14	47	-40~+170	✓
12D-11	12	2	0.462	14	48	-40~+170	✓
16D-11	16	2	0.47	14	50	-40~+170	✓
20D-11	20	2	0.512	15	52	-40~+170	✓
22D-11	22	2	0.563	15	52	-40~+170	✓
30D-11	30	1.5	0.667	15	52	-40~+170	✓
33D-11	33	1.5	0.734	15	52	-40~+170	✓
50D-11	50	1.5	1.021	15	52	-40~+170	✓
60D-11	60	1.5	1.215	15	52	-40~+170	✓
80D-11	80	1.2	1.656	15	52	-40~+170	✓
<b>D-13 NTC Thermistor</b>							
1.3D-13	1.3	7	0.062	13	60	-40~+200	✓
1.5D-13	1.5	7	0.073	13	60	40~+200	✓
2.5D-13	2.5	6	0.088	13	60	40~+200	✓
3D-13	3	6	0.092	14	60	40~+200	✓
4D-13	4	5	0.12	15	67	40~+200	✓
5D-13	5	5	0.125	15	68	40~+200	✓
6D-13	6	4	0.17	15	65	40~+200	✓
7D-13	7	4	0.188	15	65	40~+200	✓
8D-13	8	4	0.194	15	60	40~+200	✓

Part No. MF72 NTC	R <sub>25</sub> (Ω)	Max. Steady State Current	Approx. R of Max. Current	Dissi. Coef. (mW/°C)	Thermal Time Constant(S)	Operating Temp.(°C)	UL
10D-13	10	4	0.206	15	65	40~+200	✓
12D-13	12	3	0.316	16	65	40~+200	✓
15D-13	15	3	0.335	16	60	40~+200	✓
16D-13	16	3	0.338	16	60	40~+200	✓
20D-13	20	3	0.372	16	65	40~+200	✓
30D-13	30	2.5	0.517	16	65	40~+200	✓
47D-13	47	2	0.81	17	65	40~+200	✓
120D-13	120	1.2	2.124	17	65	40~+200	✓
<b>D-15 NTC Thermistor</b>							
1.3D-15	1.3	8	0.048	18	68	-40~+200	✓
1.5D-15	1.5	8	0.052	18	69	-40~+200	✓
2.5D-15	2.5	7	0.065	18	76	-40~+200	✓
3D-15	3	7	0.075	18	76	-40~+200	✓
5D-15	5	6	0.112	20	76	-40~+200	✓
6D-15	6	5	0.155	20	80	-40~+200	✓
7D-15	7	5	0.173	20	80	-40~+200	✓
8D-15	8	5	0.178	20	80	-40~+200	✓
10D-15	10	5	0.18	20	75	-40~+200	✓
12D-15	12	4	0.25	20	75	-40~+200	✓
15D-15	15	4	0.268	21	85	-40~+200	✓
16D-15	16	A	0.276	21	70	-40~+200	✓
20D-15	20	4	0.288	21	86	-40~+200	✓
30D-15	30	3.5	0.438	21	75	-40~+200	✓
47D-15	47	3	0.68	21	86	-40~+200	✓
120D-15	120	1.8	1.652	22	87	-40~+200	✓
<b>D-20 NTC Thermistor</b>							
0.7D-20	7	11	0.018	24	89	-40~+200	✓
1.3D-20	1.3	9	0.037	24	88	-40~+200	✓
3D-20	3	8	0.055	24	88	-40~+200	✓
5D-20	5	7	0.087	24	87	-40~+200	✓
6D-20	6	6	0.113	25	103	-40~+200	✓
8D-20	8	6	0.142	25	105	-40~+200	✓
10D-20	10	6	0.162	25	102	-40~+200	✓
12D-20	12	5	0.195	25	100	-40~+200	✓
16D-20	16	5	0.212	25	100	-40~+200	✓
<b>D-25 NTC Thermistor</b>							

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0.7D-25	0.7	12	0.014	30	120	-40~+200	
1.5D-25	1.5	10	0.027	30	121	-40~+200	
3D-25	3	9	0.044	32	124	-40~+200	
5D-25	5	8	0.07	32	125	-40~+200	
8D-25	8	7	0.114	33	125	-40~+200	
10D-25	10	7	0.13	32	127	-40~+200	
12D-25	12	6	0.156	32	126	-40~+200	
16D-25	16	6	0.16	35	126	-40~+200	