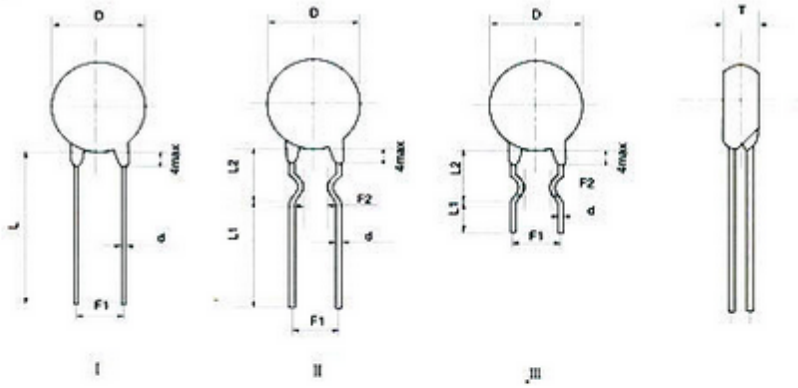
KLS6-MF72 Power NTC Thermistors



1.Introduction

An NTC thermistor has to be connected in series to the power source circuit to avoid the surge current at the instant when the electronic circuits are turned on. The device can effectively suppress the surge current, and its resistance and power consumption can be greatly reduced after that through the continuous effect of the current so as not to affect the normal work current. Therefore the Power NTC thermistor is the most convenient and efficient instrument to curb the surge current and protect the electronic devices from being damaged.

2. Applications

Applicable to the protection of the power circuits of conversion power supply, switching power supply, UPS power supply, electric heaters, electronic energy-saving lamps, electronic ballasts and other electronic devices, and the filament protection of color picture tubes, incandescent lamps and other lights.

3.Characteristics:

?Small size,Strong power and strong capability of surge current protection.

?Characteristics Fast response to the rapidly surge.

?Big material constant(B value),Small remain resistance.

?Longevity of service,High reliability.

?Integral series,Extensive operating range.

Part No./Dim (mm) /Sym	D +2 -1	Tmax	d±0.05	F_1±1	F_2±1.5	Straight Lead Wire	Curved Lea
						Lmin	b L_1min
MF72-□D5	6.5	5	0.6/0.45	5/2.5	3	25	17/5
MF72-□D7	8.5	5	0.6	5	3	25	17/5
MF72-□D9	10.5	5.5	0.8/0.6	7.5/5	5/3	25	17/5
MF72-□D11	12.5	5.5	0.8/0.6	7.5/5	5/3	25	17/5
MF72-□D13	14.5	6	0.8	7.5	5	25	17/5
MF72-□D15	16.5	6	0.8	10/7.5	5	25	17/5
MF72-□D20	21.5	7	1.0	10/7.5	/	25	/
MF72-□D25	26.5	8	1.0	10	/	25	/
Remark	a. □rated zero-power resistance b. 17/5 17 show the long bend tead wire 5 shows the short bend lead wire.						

Illustration:In general,the long bend lead wire is used,name shape is II.

3.Main Techno-Parameter

Part NO.	R_{25} (Ω)	Max.Steady State Current (A)	Approx.R of Max.Cur (Ω)	Dissi,Coef. (mW/℃)	Thermal time Constant (S)	Op T
MF72-5D5	5	1	0.353	6	20	
MF72-10D5	10	0.7	0.771	6	20	
MF72-60D5	60	0.5	1.878	6	18	
MF72-200D5	200	0.1	6.259	6	18	
MF72-5D7	5	2	0.283	10	30	
MF72-8D7	8	1	0.539	9	28	
MF72-10D7	10	1	0.616	9	27	
MF72-12D7	12	1	0.816	9	27	
MF72-16D7	16	0.7	1.003	9	27	
MF72-22D7	22	0.6	1.108	9	27	
MF72-33D7	33	0.5	1.485	10	28	
MF72-200D7	200	0.2	6.233	11	28	
MF72-3D9	3	4	0.120	11	35	
MF72-4D9	4	3	0.190	11	35	

MF72-5D9	5	3	0.210	11	34	
MF72-6D9	6	2	0.315	11	34	
MF72-8D9	8	2	0.400	11	32	
MF72-10D9	10	2	0.458	11	32	
MF72-12D9	12	1	0.652	11	32	
MF72-16D9	16	1	0.802	11	31	
MF72-20D9	20	1	0.864	11	30	
MF72-22D9	22	1	0.950	11	30	
MF72-30D9	30	1	1.022	11	30	
MF72-33D9	33	1	1.124	11	30	
MF72-50D9	50	1	1.252	11	30	
MF72-60D9	60	0.8	1.502	11	30	
MF72-80D9	80	0.8	2.010	11	30	
MF72-120D9	120	0.8	3.015	11	30	
MF72-200D9	200	0.5	5.007	11	32	
MF72-400D9	400	0.2	9.852	11	32	
MF72-2.5D11	2.5	5	0.095	13	43	
MF72-3D11	3	5	0.100	13	43	
MF72-4D11	4	4	0.150	13	44	

Part NO.	R_{25} (Ω)	Max.Steady State Current (A)	Approx.R of Max.Cur (Ω)	Dissi,Coef. (mW/℃)	Thermal time Constant (S)	Operating Temp. (℃)

MF72-4D11	4	4	0.150	13	44	
MF72-5D11	5	4	0.156	13	45	
MF72-6D11	6	3	0.240	13	45	
MF72-8D11	8	3	0.255	14	47	
MF72-10D11	10	3	0.275	14	47	
MF72-12D11	12	2	0.462	14	48	
MF72-16D11	16	2	0.470	14	50	
MF72-20D11	20	2	0.512	15	52	
MF72-22D11	22	2	0.563	15	52	
MF72-30D11	30	1.5	0.667	15	52	
MF72-33D11	33	1.5	0.734	15	52	
MF72-50D11	50	1.5	1.021	15	52	
MF72-60D11	60	1.5	1.215	15	52	
MF72-80D11	80	1.2	1.656	15	52	
MF72-1.3D13	1.3	7	0.062	13	60	
MF72-1.5D13	1.5	7	0.073	13	60	
MF72-2.5D13	2.5	6	0.088	13	60	-55~+200
MF72-3D13	3	6	0.092	14	60	
MF72-4D13	4	5	0.120	15	67	
MF72-5D13	5	5	0.125	15	68	
MF72-6D13	6	4	0.170	15	65	

Part NO.	R_{25} (Ω)	Max.Steady State Current (A)	Approx.R of Max.Cur (Ω)	Dissi,Coef. (mW/℃)	Thermal time Constant (S)	Operating Temp. (℃)

Part NO.	R_{25} (Ω)	Max.Steady State Current (A)	Approx.R of Max.Cur (Ω)	Dissi,Coef. (mW/℃)	Thermal time Constant (S)	Operating Temp. (℃)
MF72-7D13	7	4	0.188	15	65	
MF72-8D13	8	4	0.194	15	60	
MF72-10D13	10	4	0.206	15	65	
MF72-12D13	12	3	0.316	16	65	
MF72-15D13	15	3	0.335	16	60	
MF72-16D13	16	3	0.338	16	60	
MF72-20D13	20	3	0.372	16	65	
MF72-30D13	30	2.5	0.517	16	65	
MF72-47D13	47	2	0.810	17	65	
MF72-120D13	120	1.5	2.124	16	65	
MF72-1.3D15	1.3	8	0.048	18	68	
MF72-1.5D15	1.5	8	0.052	19	69	
MF72-3D15	3	7	0.075	18	76	
MF72-5D15	5	6	0.112	20	76	
MF72-6D15	6	5	0.155	20	80	
MF72-7D15	7	5	0.173	20	80	
MF72-8D15	9	5	0.178	20	80	
MF72-10D15	10	5	0.180	20	75	
MF72-12D15	12	4	0.250	20	75	
MF72-15D15	15	4	0.268	21	85	

MF72-16D15	16	4	0.276	21	70	
MF72-20D15	20	4	0.288	17	86	
MF72-30D15	30	3.5	0.438	18	75	
MF72-47D15	47	3	0.680	21	86	
MF72-120D15	120	2.5	1.652	22	87	
MF72-0.7D20	0.7	12	0.018	25	89	
MF72-1.3D20	1.3	9	0.037	24	88	
MF72-3D20	3	8	0.055	24	88	
MF72-5D20	5	7	0.087	23	87	
MF72-6D20	6	6	0.113	25	103	
MF72-8D20	8	6	0.142	25	105	
MF72-10D20	10	6	0.162	24	102	
MF72-12D20	12	5	0.195	24	100	
MF72-16D20	16	5	0.212	25	100	
MF72-0.7D25	0.7	13	0.014	30	120	
MF72-1.5D25	1.5	10	0.027	30	121	
MF72-3D25	3	9	0.044	32	124	
MF72-5D25	5	8	0.070	32	125	
MF72-8D25	8	7	0.114	33	125	
MF72-10D25	10	7	0.130	32	127	
MF72-12D25	12	6	0.156	32	126	
MF72-16D25	16	6	0.160	35	126	