

Features

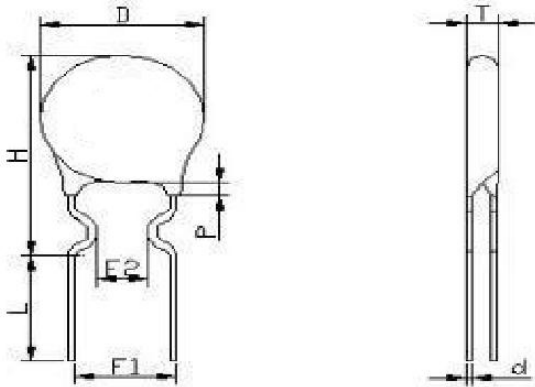
- ◇ Small size, high power
- ◇ Fast response times
- ◇ Great surge current capability
- ◇ Large material constant (B value), small residual resistance
- ◇ High reliability



Application

- ◇ UPS and switching power supplies
- ◇ Electric heaters
- ◇ Energy saving lamps
- ◇ Electronic ballast
- ◇ Color display tube
- ◇ Lighting filament protection

Structure



Electrical Specifications

Part No.	Rated Resistance	Max. Steady State Current	Dimensions(Unit:mm)				
			Dmax	Lmin	F1 ±1	Tmax	d
MF72-5D5	5	1	6.5	25	5.0/2.5	5	0.55/0.45
MF72-10D5	10	0.7	6.5	25	5.0/2.5	5	0.55/0.45
MF72-20D5	20	0.5	6.5	25	5.0/2.5	5	0.55/0.45
MF72-5D7	5	2	8.5	25	5	5	0.55
MF72-8D7	8	1	8.5	25	5	5	0.55
MF72-10D7	10	1	8.5	25	5	5	0.55
MF72-12D7	12	1	8.5	25	5	5	0.55
MF72-16D7	16	0.7	8.5	25	5	5	0.55
MF72-20D7	20	0.6	8.5	25	5	5	0.55
MF72-22D7	22	0.6	8.5	25	5	5	0.55
MF72-33D7	33	0.5	8.5	25	5	5	0.55
MF72-3D9	3	4	10.5	25	7.5/5.0	5.5	0.78/0.55

MF72-4D9	4	4	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-5D9	5	3	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-6D9	6	2	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-8D9	7	2	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-10D9	10	2	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-12D9	12	1	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-16D9	16	1	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-20D9	20	1	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-22D9	22	1	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-30D9	30	1	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-33D9	33	1	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-50D9	50	1	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-60D9	60	0.8	10.5	25	7.5/5.0	5.5	0.78/0.55
MF72-2.5D11	2.5	5	12.5	25	7.5/5.0	5.5	0.78
MF72-3D11	3	5	12.5	25	7.5/5.0	5.5	0.78
MF72-4D11	4	4	12.5	25	7.5/5.0	5.5	0.78
MF72-5D11	5	4	12.5	25	7.5/5.0	5.5	0.78
MF72-6D11	6	3	12.5	25	7.5/5.0	5.5	0.78
MF72-8D11	8	3	12.5	25	7.5/5.0	5.5	0.78
MF72-10D11	10	3	12.5	25	7.5/5.0	5.5	0.78
MF72-12D11	12	2	12.5	25	7.5/5.0	5.5	0.78
MF72-16D11	16	2	12.5	25	7.5/5.0	5.5	0.78
MF72-20D11	20	2	12.5	25	7.5/5.0	5.5	0.78
MF72-22D11	22	2	12.5	25	7.5/5.0	5.5	0.78
MF72-30D11	30	1.5	12.5	25	7.5/5.0	5.5	0.78
MF72-33D11	33	1.5	12.5	25	7.5/5.0	5.5	0.78
MF72-1.3D13	1.3	7	14.5	25	7.5	6	0.78
MF72-1.5D13	1.5	6	14.5	25	7.5	6	0.78
MF72-3D13	3	6	14.5	25	7.5	6	0.78
MF72-4D13	4	5	14.5	25	7.5	6	0.78
MF72-5D13	5	5	14.5	25	7.5	6	0.78
MF72-6D13	6	4	14.5	25	7.5	6	0.78
MF72-7D13	7	4	14.5	25	7.5	6	0.78
MF72-8D13	8	4	14.5	25	7.5	6	0.78
MF72-10D13	10	4	14.5	25	7.5	6	0.78
MF72-12D13	12	3	14.5	25	7.5	6	0.78
MF72-15D13	15	3	14.5	25	7.5	6	0.78
MF72-16D13	16	3	14.5	25	7.5	6	0.78

MF72-20D1 3	20	3	14.5	25	7.5	6	0.78
MF72-30D1 3	30	2.5	14.5	25	7.5	6	0.78
MF72-47D1 3	47	2	14.5	25	7.5	6	0.78
MF72-1.3D 15	1.3	8	16.5	25	7.5	6	0.78
MF72-1.5D 15	1.5	8	16.5	25	7.5	6	0.78
MF72-3D15	3	7	16.5	25	7.5	6	0.78
MF72-5D15	5	6	16.5	25	7.5	6	0.78
MF72-6D15	6	5	16.5	25	7.5	6	0.78
MF72-7D15	7	5	16.5	25	7.5	6	0.78
MF72-8D15	8	5	16.5	25	7.5	6	0.78
MF72-10D1 5	10	5	16.5	25	7.5	6	0.78
MF72-12D1 5	12	4	16.5	25	7.5	6	0.78
MF72-15D1 5	15	4	16.5	25	7.5	6	0.78
MF72-16D1 5	16	4	16.5	25	7.5	6	0.78
MF72-20D1 5	20	4	16.5	25	7.5	6	0.78
MF72-30D1 5	30	3	16.5	25	7.5	6	0.78
MF72-33D1 5	33	3	16.5	25	7.5	6	0.78
MF72-47D1 5	47	3	16.5	25	7.5	6	0.78
MF72-50D1 5	50	3	16.5	25	7.5	6	0.78
MF72-0.7D 20	0.7	12	21.5	25	10/7.5	7	1
MF72-1.3D 20	1.3	9	21.5	25	10/7.5	7	1
MF72-2.2D 20	2.2	8	21.5	25	10/7.5	7	1
MF72-2.5D 20	2.5	8	21.5	25	10/7.5	7	1
MF72-3D20	3	8	21.5	25	10/7.5	7	1
MF72-5D20	5	7	21.5	25	10/7.5	7	1
MF72-6D20	6	6	21.5	25	10/7.5	7	1
MF72-8D20	8	6	21.5	25	10/7.5	7	1
MF72-10D2 0	10	6	21.5	25	10/7.5	7	1
MF72-12D2 0	12	5	21.5	25	10/7.5	7	1
MF72-16D2 0	16	5	21.5	25	10/7.5	7	1
MF72-3D25	3	9	26.5	25	10/7.5	8	1
MF72-5D25	5	8	26.5	25	10/7.5	8	1
MF72-8D25	8	7	26.5	25	10/7.5	8	1
MF72-10D2 5	10	7	26.5	25	10/7.5	8	1

Electrical Characteristics

Characteristics	Test Methods
Zero Power Resistance at 25°C	Resistance shall be measured at DC current applied when the self heat generation does not occur at room ambient (25.0±0.2°C)
B Value	After the resistance at 25°C and 85°C respectively are measured, the B Value is calculated by the following equation: $B = \ln(R_{25}/R_{85}) / (1/298.15 - 1/358.15)$ R25= Resistance at 25.0±0.2°C R85= Resistance at 85.0±0.2°C
Thermal Dissipation Constant	Equivalent to the required power to rise temperature of the thermistor up to 1°C in the air and without cooling of airflow. the unit of the constant is mw/°C
Maximum allowable steady-state current	Maximum allowable steady-state DC current applied at the specified temperature without cooling of airflow
Thermal Time constant	The period of time when the temperature of the specimens is (1-1/e) times the temperature difference shall be measured when the ambient temperature is changed.(e:2.71828)
Voltage withstanding (Between Terminals and coating)	An AC Voltage of 1000V shall be applied. Between the terminals and the insulating coating for one minute at room ambient.
Insulation Resistance (Between Terminals and coating)	Insulation resistance between terminals and the insulating coating shall be measured at 1000Vdc with one minute electrification, and at room ambient.