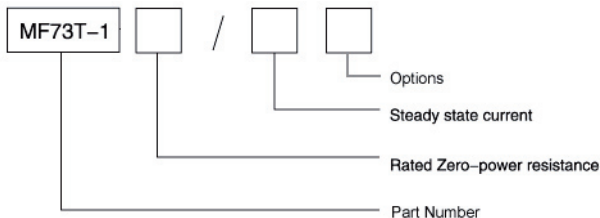


# LIMITADORES DE CORRIENTE NTC THERMISTOR

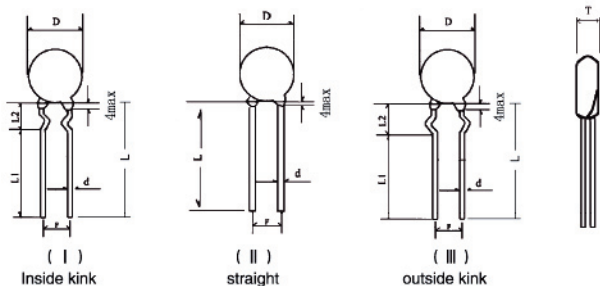
## Characteristics

- Small size, high power, reliable surge current protection.
- High material constant (B value),
- Low residual resistance
- High steady state current, long lasting, high reliability
- Convenient for PCB installation, wide operating range

## Specification



## Dimensions (mm)



# MF73T-1



	D15	D20	D25	D30	D35
<b>Chip Dimensions</b>	ø15	ø20	ø25	ø30	ø35
<b>(Dmax) Overall Diameter (mm)</b>	17.5	22.5	29	36	41
<b>(Tmax) Thickness (mm)</b>	6	7	8	8.5	10
<b>(F ± 1.5) Pitch (mm)</b>	7.5	10.0	10.0	10.0	*18
<b>(d ± 0.05) Dia of Leads (mm)</b>	0.8	1.0	1.0	1.2	* 1.6
<b>(L) min Length of Leads (mm)</b>	25	25	25	25	25
<b>(L1) min Length of Leads (mm)</b>	17	17	17		
<b>Standard Leads Figure</b>	(I) Inside kink	(II) Straight	(II) Straight	(II) Straight	(II) Straight
<b>Optional Leads Figure</b>	(II) Straight	(III) Outside kink	(III) Outside kink		
<b>Weight (g). Approx</b>	3.1	6.2	8.8	20.5	28.8

### Options

Add suffix  
"Pxx" to specify the Pitch (F) or  
"Dxx" for Diameter of the leads (d)

Add suffix "L" + figure # to  
part number to specify optional leads

\* Standard

## Technical Specifications

Working Temperature: -55 ~ 200°C

Part No. MF73T-1	Res +20% (Ω)	Max. Steady State Current I <sub>max</sub> (A)	Approx. R of Max Current R <sub>max</sub> (Ω)
<b>ø15mm Chip Diameter</b>			
Max Rated Power P <sub>max</sub> (W): 3.5			
Dissipation Coefficient (mW/°C): ≥ 22			
Thermal Time Constant (S): ≤ 75			
1.3/10	1.3	10	0.034
1.5/10	1.5	10	0.036
2.5/9.5	2.5	9.5	0.044
3/9	3	9	0.046
5/8	5	8	0.058
6/7	6	7	0.069
7/7	7	7	0.078
8/7	8	7	0.084
10/7	10	7	0.098
12/6	12	6	0.116
15/6	15	6	0.125
16/6	16	6	0.129
20/6	20	6	0.136
30/5	30	5	0.165
47/4	47	4	0.257
120/2.5	120	2.5	0.652
<b>ø20mm Chip Diameter</b>			
Max Rated Power P <sub>max</sub> (W): 5.0			
Dissipation Coefficient (mW/°C): ≥ 28			
Thermal Time Constant (S): ≤ 110			
0.7/16	0.7	16	0.026
1/16	1	16	0.027
1.5/15	1.5	15	0.030
2/14	2	14	0.035
2.5/13	2.5	13	0.038
3/12	3	12	0.040
4/12	4	12	0.043
4.7/12	4.7	12	0.046
5/12	5	12	0.047
6/11	6	11	0.052
6.8/10	6.8	10	0.055
7/9	7	9	0.056
10/8	10	8	0.085
12/7.5	12	7.5	0.098
15/7	15	7	0.112
18/7	18	7	0.123
20/7	20	7	0.132

Part No. MF73T-1	Res +20% (Ω)	Max. Steady State Current I <sub>max</sub> (A)	Approx. R of Max Current R <sub>max</sub> (Ω)
<b>ø25mm Chip Diameter</b>			
Max Rated Power P <sub>max</sub> (W): 7.0			
Dissipation Coefficient (mW/°C): ≥ 30			
Thermal Time Constant (S): ≤ 130			
0.5/22	0.5	22	0.017
0.7/22	0.7	22	0.017
1/20	1	20	0.021
1.5/19	1.5	19	0.024
2/18	2	18	0.026
2.5/16	2.5	16	0.029
3/15.5	3	15.5	0.032
4/15	4	15	0.039
4.7/14	4.7	14	0.044
5/14	5	14	0.047
6.8/12	6.8	12	0.061
7/11	7	11	0.064
8/10	8	10	0.079
10/10	10	10	0.084
12/9	12	9	0.102
15/8	15	8	0.117
18/8	18	8	0.125
20/8	20	8	0.132

## Technical Specifications

Working Temperature: -55 ~ 200°C

Part No. MF73T-1	Res +20% (Ω)	Max. Steady State Current I <sub>max</sub> (A)	Approx. R of Max Current R <sub>max</sub> (Ω)
<b>ø30mm Chip Diameter</b>			
Max Rated Power P <sub>max</sub> (W): 8.0			
Dissipation Coefficient (mW/°C): ≥ 40			
Thermal Time Constant (S): ≤ 190			
0.5/30	0.5	30	0.013
1/30	1	30	0.014
1.5/25	1.5	25	0.016
2/23	2	23	0.019
2.5/20	2.5	20	0.023
3/19.5	3	19.5	0.026
4/19	4	19	0.031
4.7/18	4.7	18	0.035
5/17	5	17	0.037
6.8/16	6.8	16	0.043
7/15	7	15	0.044
8/14	8	14	0.049
10/13	10	13	0.056
12/12	12	12	0.067
15/11	15	11	0.078
18/10	18	10	0.092
20/9	20	9	0.113

Part No. MF73T-1	Res +20% (Ω)	Max. Steady State Current I <sub>max</sub> (A)	Approx. R of Max Current R <sub>max</sub> (Ω)
<b>ø35mm Chip Diameter</b>			
Max Rated Power P <sub>max</sub> (W): 9.0			
Dissipation Coefficient (mW/°C): ≥ 55			
Thermal Time Constant (S): ≤ 280			
0.5/32	0.5	32	0.01
1/32	1	32	0.011
1.5/28	1.5	28	0.013
2/25	2	25	0.017
2.5/23	2.5	23	0.020
3/22	3	22	0.023
4/21	4	21	0.026
4.7/20	4.7	20	0.029
5/19	5	19	0.030
6.8/18	6.8	18	0.035
7/17	7	17	0.037
8/16	8	16	0.041
10/15	10	15	0.045
12/14	12	14	0.051
15/13	15	13	0.060
18/11	18	11	0.072
20/10	20	10	0.089