

**MF72 Series
NTC THERMISTOR**

The MF72 series NTC Disc Thermistors are available in wide range of sizes and resistance characteristics as a bare discs and in leaded configuration. Available with tinned copper bare wire and stranded copper leads with very flexible silicon insulation. Different kinds of resins for mechanical and electrical protection. Inrush current limiting power thermistors are specially formulated and processed NTC thermistors suitable for suppressing high inrush currents in switching power supplies and other applications where the high initial starting currents are undesirable. Their unique design enables them to handle extremely high current and voltage levels.

**FEATURES:**

- Small size, strong power and strong capability of surge current protection.
- Fast response to surge current.
- Big material constant (B value), small remain resistance.
- Longevity of service, high reliability.
- Integral series, extensive operating range.

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

OPTIONS:

- Alternative Bead Diameter Size: 7mm, 9mm, 11mm, 13mm, 15.5mm, 17.5mm, 22.5mm, 27.5mm
- Alternative Lead Shape: straight lead, curved lead
- Alternative R25 Zero Power Resistance: 0.7Ω~200Ω

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ELECTRICAL CHARACTERISTICS:

Type	Dissipation Constant (mW/°C) In still air	Thermal Time Constant (s) In still air	Working Temp.
MF72	≥ 6	≤ 100	-40°C ~ 150°C

PACKAGING:

Packaging Option	Standard Quantity
Bulk	500pcs/bag

ORDERING CODE:

MF72 C 5D 13

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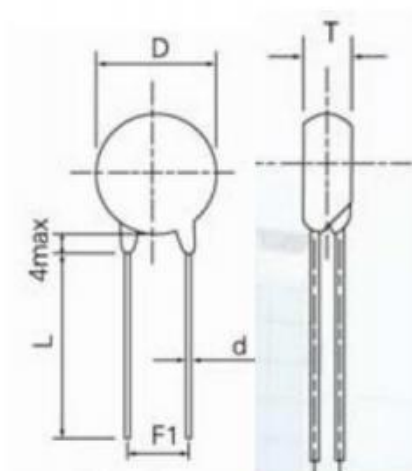
- ① **MF72:** Inrush Current Limiting Type Thermistor
- ② **Lead shape:** curved lead
- ③ **Diameter of chip size:** 5mm
- ④ **Rated zero power resistance:** 13 Ω

Remark: Unless the particular indication , the allowable tolerance of R25 is $\pm 20\%$

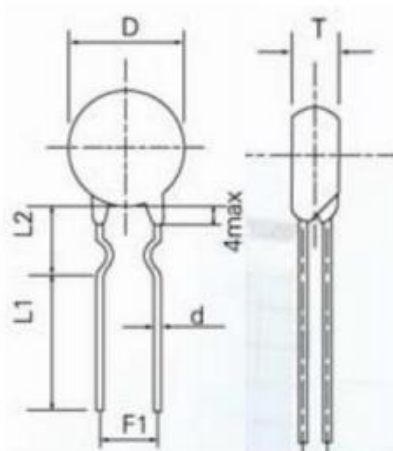
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DIMENSIONS (mm):

MF72S



MF72C



尺寸 Dim(mm) 型号 Part No	代号 Sym Dmax	T max	d ±0.05	F1 ±1	直引线 Straight lead	弯引线 Curved lead	
					Lmin	L ₁ min	L ₂ ± 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	1.0	10/7.5	25	/	/
MF72 □D25	27.5	8	1.0	10/7.5	25	/	/