

负温度系数(NTC)热敏电阻器

Negative Temperature Coefficient (NTC) Thermistor

MF74超大功率型NTC热敏电阻器系列

MF74 Series NTC Thermistor for Super High-Power Inrush Current Limiting

● 特点 Features

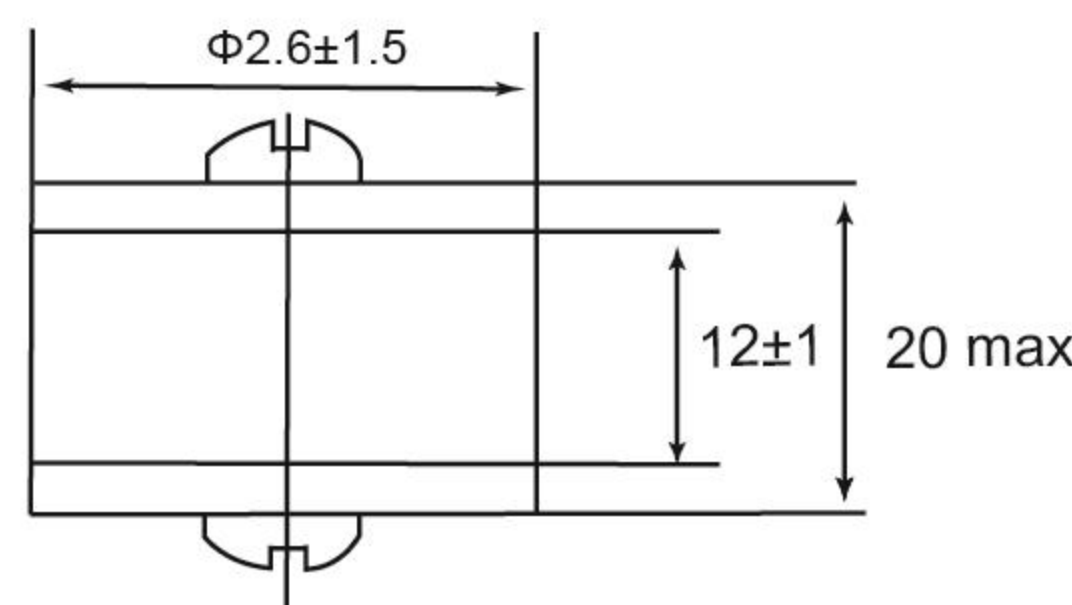
- 结构可靠、便于安装
- 抑制浪涌电流能力强
- 工作的稳态电流大
- 较大稳态电流下能持续工作

- Reliable structure, Easy to install.
- Strong surge current suppression capabilities.
- High steady-state current during operation.
- Sustained operation under larger steady-state currents.

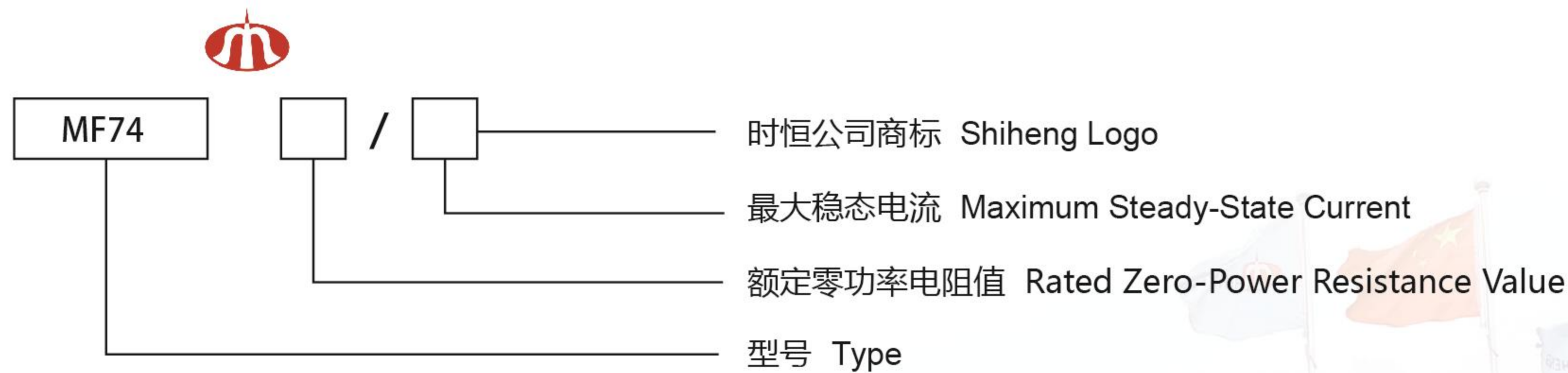
● 应用范围 Applications

- 转换电源, 开关电源, UPS电源
- 各类大功率照明灯具
- 电加热器
- Power Converters, switching power supplies, UPS power supplies.
- Various high-power lighting fixtures.
- Electric heaters.

● 外形尺寸 Dimensions (mm)



● 产品标志说明 Marking Instruction



● 主要技术参数 Main Technical Specifications

工作温度 Operating Temperature (°C): -55~+200°C

| 型号<br>Part No. | R <sub>25</sub> ±20%<br>(Ω) | 25°C时最大稳态电流<br>Max. Steady-state<br>Current at 25°C | 最大电流时近似电阻值<br>Approx. Resistance at Max. Current | 耗散系数约<br>Dissipation Constant<br>Approx. | 热时间常数约<br>Thermal Time Constant<br>Approx. |
|----------------|-----------------------------|---|--|--|--|
|                |                             | I <sub>max</sub> (A)                                | R <sub>i</sub> max (Ω)                           | δ (mW/°C)                                | τ(s)                                       |
| MF74 0.5/40    | 0.5                         | 40  | 0.00875  | 118                                      | 340  |
| MF74 0.7/36    | 0.7                         | 36  | 0.01100  | 118                                      | 340  |
| MF74 1/32      | 1                           | 32  | 0.01370  | 118                                      | 340  |
| MF74 1.3/27    | 3                           | 27  | 0.01920  | 118                                      | 340  |
| MF74 1.5/27    | 1.5                         | 27  | 0.02060  | 118                                      | 340  |
| MF74 2/25      | 2                           | 25  | 0.02400  | 120                                      | 340  |
| MF74 2.5/25    | 2.5                         | 25  | 0.02520  | 120                                      | 350  |
| MF74 3/23      | 3                           | 23  | 0.02930  | 123                                      | 350  |
| MF74 4/21      | 4                           | 21  | 0.03400  | 123                                      | 350  |
| MF74 5/21      | 5                           | 21  | 0.03640  | 123                                      | 350  |
| MF74 6/18      | 6                           | 18  | 0.04940  | 123                                      | 360  |
| MF74 8/18      | 8                           | 18  | 0.05250  | 123                                      | 360  |
| MF74 10/18     | 10                          | 18  | 0.05550  | 125                                      | 345  |
| MF74 12/15     | 12                          | 15  | 0.06220  | 125                                      | 345  |
| MF74 16/15     | 16                          | 15  | 0.06880  | 125                                      | 345  |
| MF74 20/15     | 20                          | 15  | 0.07450  | 125                                      | 345  |
| MF74 25/15     | 25                          | 15  | 0.08570  | 125                                      | 345  |
| MF74 30/12     | 30                          | 12  | 0.11700  | 125                                      | 350  |



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