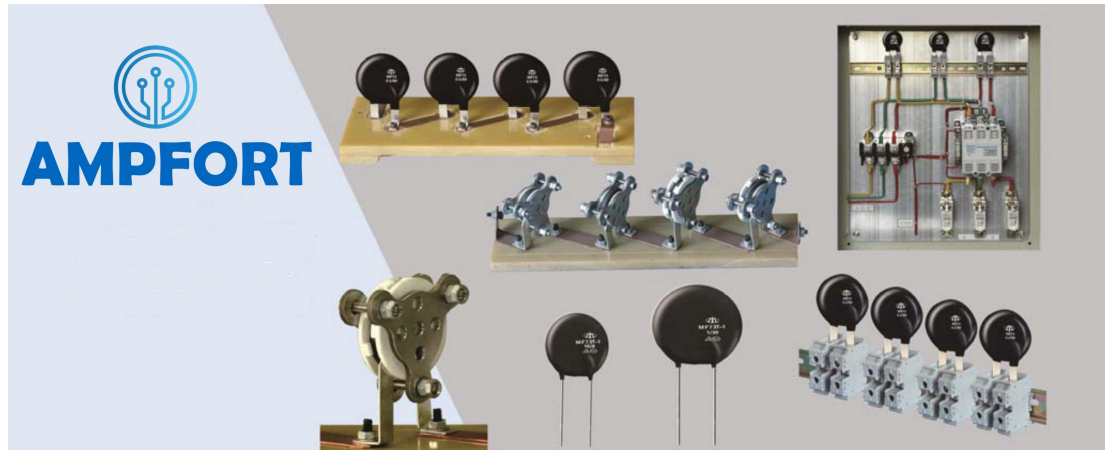


# 抑制浪涌电流的最佳选择

Best choice for limiting inrush current

√ 技术领先 √ 性能优异 √ 国内首创

Leading Technology Perfect Function Originate in domestic



最大稳态电流: **120A**

Max steady state current : 120A

当电机、变压器、变压器、开关电源和加热器通电后，会产生瞬间的浪涌电流。上述设备的功率越大，浪涌电流越高。在电源回路中串联功率型 NTC 热敏电阻可以有效地抑制开机通电时浪涌电流。NTC 热敏电阻的电阻值在通过浪涌电流后急剧下降，在稳态电流下，残余电阻非常小，不会影响正常的工作电流。这样既抑制了浪涌电流，也保证了正常工作下的效率。东莞市安伏特电子有限公司批量生产的功率型 NTC 热敏电阻尤其是大尺寸 MF73T、MF73、MF74、MF75 系列产品可以广泛应用于工业级别的浪涌保护比如工业机器人、工业自动化等领域。

Inrush current is the momentary surge of current created when power is turned on to motors, transformers, power suppliers and heating elements. The more power required by industrial equipment, the larger the inrush current. It can effectively quench the inrush current by means of in series with power NTC thermistor in return circuit of power supply. The thermistor's resistance decreases dramatically following the inrush, allowing the steady state current to flow with very little resistance. This effect provides inrush current protection, yet allows efficiency during normal operation. The power NTC Thermistor produced by Dongguan Ampfort Electronics Co., Ltd. with large scale, especially MF73T、MF73、MF74、MF75 serial products with big size, which can be applied in such inrush protection with industrial level as industrial robots and automation.

## MF73T 系列/Series

### 特点 Characteristics

体积小、功率大、抑制浪涌电流能力强

材料常数 (B 值), 残余电阻小, 自身功耗小

大电流, 长寿命, 高可靠性

便于线路板安装, 系列全, 应用范围宽

Small size, strong power and strong capability of surge current protection

Big material constant (B value), small remain resistance, low power consumption.

Large steady state current, long life, high reliability

Easy PCB installation, completed series, wide application range.

### 推荐应用 Recommended Application

大功率开关电源、转换电源、UPS 电源

大功率动力电池充电器、电动汽车充电器

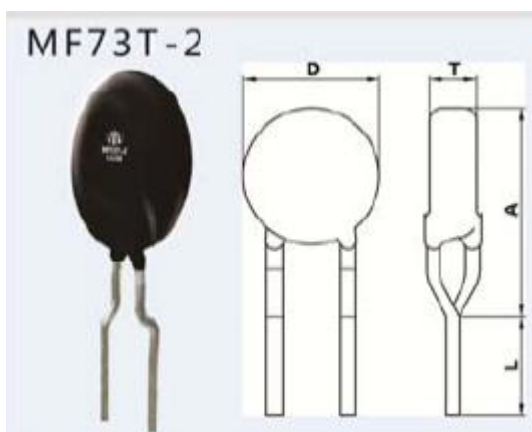
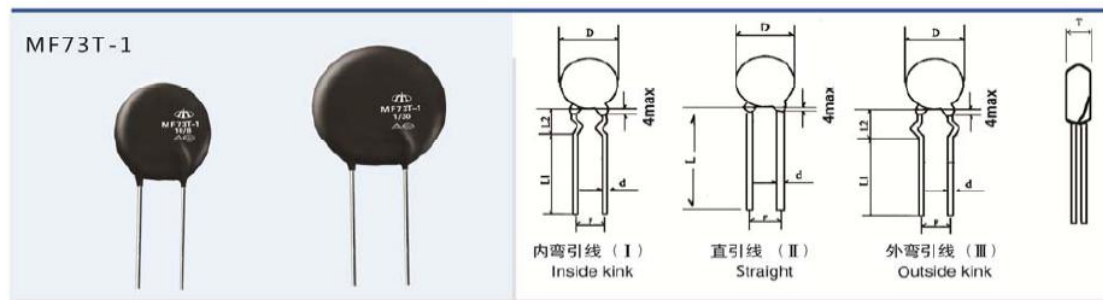
大功率 LED 灯、大功率电子节能灯等照明灯具

High power switch power, Power conversion, UPS power

High power battery charger, electric vehicle battery charger

High power LED light, high power electronic energy saving lamps and other lighting lamps

### 外形结构/Outline Dimension



## 特点 Characteristics

结构可靠，便于安装

抑制浪涌电流能力强、吸收能量大

工作的稳态电流大

寿命长、可靠性高

Reliable configuration and convenient installation

Strongest capability of surge current protection and energy absorption

Max. Steady state operating current

Long life and high reliability

## 推荐应用 Recommended Application

各种大功率开关电源、UPS 电源、转换电源

电动汽车充电器、充电桩

电机驱动装置、大功率伺服电机驱动器、逻辑控制器

大功率等离子体焊接机、切割机、大功率照明灯具

核磁共振设备、大功率专业音频功放机、大功率环形变压器

大容量功率逆变器的太阳能电池板阵列

高压电源驱动的工业机器人、低压智能电柜

All kinds of power supply,UPS power supply,switching power supply

EV charger,charging pile

Motor driver,superpower server motor driver,logic controller

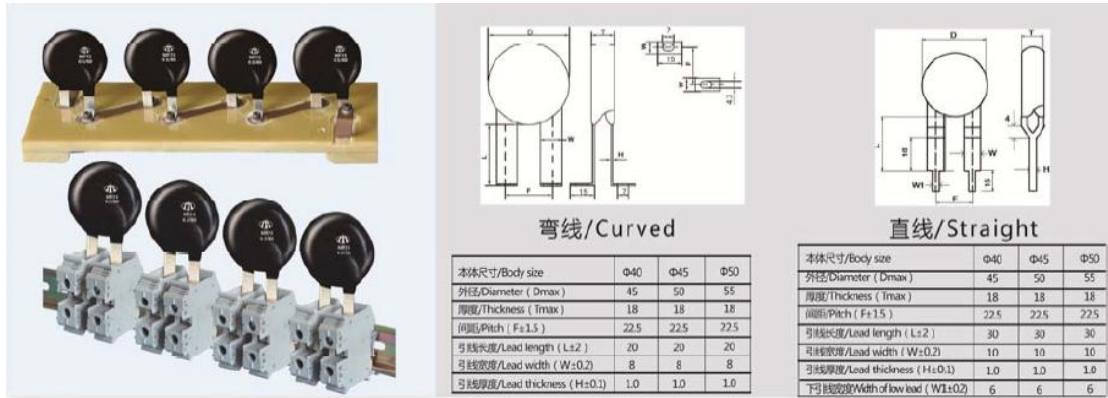
High power plasma electric welder,cutting machine,super power lighting lamp

Nuclear magnetic resonance equipment,super power audio power amplifier,high power circle transformer

The solar panel arrays with high capacity power inverter

Then industrial robot driven by high voltage power supply,intelligent electric cabinet with lower voltage

## 外形结构/Outline Dimension



### MF74 系列/Series

专利号: ZL03277490.7

PATENT NO: 03277490.7

### 推荐应用 Recommended Application

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 conversion, switch power, UPS Power

All kinds of of super power lamps

Electrical heater

### Dimensional drawing

### MF75 系列/Series

专利号: ZL201620516869.6

PATENT NO: ZL201620516869.6

### 推荐应用 Recommended Application

核磁共振设备、大功率专业音频功放机、大功率环形变压器

大容量功率逆变器的太阳能电池板阵列

高压电源驱动的工业机器人

Nuclear magnetic resonance equipment, super power audio power amplifier, high power circle transformer

The solar panel arrays with high capacity power inverter

The industrial robot driven by high voltage power supply

### Outline Dimension

国家高新技术企业, 本行业国家“十三五”规划起草单位, 专业生产 NTC、PTC 热敏电阻器、NTC 温度传感器、氧化锌压敏电阻器等敏感元器件。凭借独特的工艺方法和领先技术, 生产的产品具有高精度、高可靠性、高稳定性等突出优势, 处于行业领先水平。安伏特电子依托拥有的“省 NTC 热敏陶瓷材料工程技术研究中心”, 在原有普通 MF72 功率型 NTC 热敏电阻的基础上, 经过科研人员的不懈努力, 大量采用新材料、新工艺、新技术、新设备,

研发成功并批量生产的 MF73T、MF73、MF74、MF75 等新型功率型 NTC 热敏电阻，关键技术取得重大突破，性能指标大幅提高，具有完全自主知识产权，拥有数十项专利，应用于工业级的浪涌电流保护为国内首创！

Ampfort Electronics, National Hi-Tech Enterprise and drafting member of "National Thirteen Five Plan", specialized in manufacturing sensitive elements as NTC/PTC thermistor, NTC temperature sensor and metal oxide varistor. With unique process and advanced technology, product produced with high precision, high reliability, high stability etc outstanding advantages, becoming leading level in the industry. Based on current standard power type MF72 NTC thermistors and "The engineer and research technology center of NTC thermistor ceramic material", applied with new materials/technology/process/equipment, as well as unremitting efforts, innovated MF73T, MF73, MF74, MF75 etc. new power type NTC thermistor and mass production to be realized, key technology has been got big breakthrough and performances has been increased a lot. We have our own proprietary intellectual property right and dozens of patents, it can provide inrush protection in industrial level application and it is originate in domestic!



A glance at workshop and R&D center 生产和研发现场一瞥

16 年的专业经验 占地 120 亩的研发中心及现代化厂房

16 years' experience R&D center and modern factories cover an areas of 120 mu .