

TG-X系列产品 / TG-X Series Products



图1



图2



图3

应用 Application

- 可作大电流接地及保护用，可应用与铁路机车、电力输电等行业
Used for high-current grounding and protection, and can be applied in industries such as railway locomotives and power transmission
- 可作电容放电，残存电荷/电压的释放，保护电路稳定，可应用于开关电路、高压开关、新能源充放电等行业。
Used for capacitive discharge, release of residual charge/voltage, and protection of circuit stability. It can be applied to industries such as switch circuits, high-voltage switches, and new energy charging and discharging.
- 可作限制电流大小，控制电流保护元器件，可应用于电子开关、电源与充电电路等行业。
Used to limit the current size and control the current to protect components, and can be applied in industries such as electronic switches, power supplies, and charging circuits.

产品特点 Product features

- 采用TG系列电阻片的组合模块化设计
Adopting a modular design utilizing TG series resistor chips

设计 Design

- 可配合散热器设计，有自冷风冷、强制风冷和水冷散热
Designed to accommodate various cooling methods, including natural air cooling, forced air cooling, and water cooling
- 产品可根据客户需求定制化设计
The product can be customized according to customer needs

典型案例 Typical Case

案例1 (接地电阻, 应用铁路机车车辆用)

Case 1 (for electric locomotives):

配合散热器设计，额定持续功率300w，阻值50mΩ/100mΩ。(见图1)

In conjunction with the radiator design, the rated continuous power is 300w, with a resistance of 50mΩ/100mΩ. (see Figure 1)

案例2 (泄放电阻, 应用于直流输电换流阀用)

Case 2 (Bleeder resistor, applied to DC transmission converter valve):

配合散热器设计，440kJ能量，阻值2Ω。(见图2)

In conjunction with the radiator design, it has a capacity of 440kJ and a resistance of 2Ω. (see Figure 2)

案例3 (限流电阻, 应用于电容放电用)

Case 3 (Current limiting resistor, used for capacitor discharge):

配合水冷散热器，3MJ能量，阻值0.35Ω/0.7Ω。(见图3)

Paired with a water-cooled radiator, it boasts 3MJ of energy and a resistance of 0.35Ω/0.7Ω. (see Figure 3)