

## SSTR1000型 / SSTR1000 series



### 应用 Application

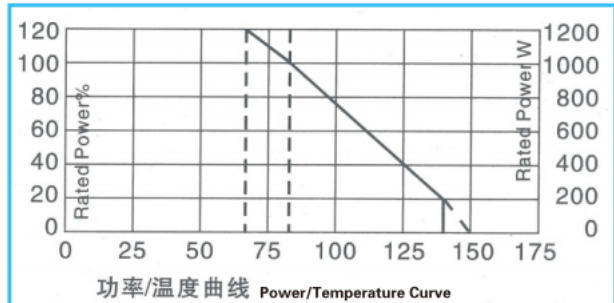
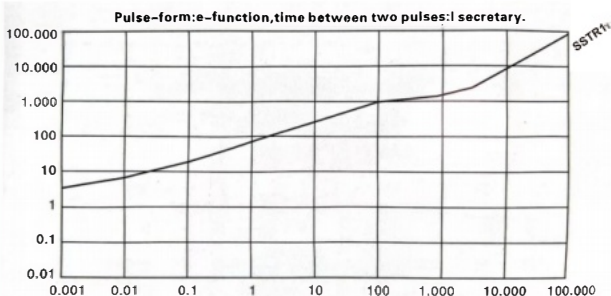
- 适用于大功率或超大功率以及高压直流输电等电力电子设备中做负载、阻尼、充放电、吸收等功率之用途。  
Suitable for load, damping, charging and discharging, absorption and other power applications in high-power or ultra high power and high-voltage direct current transmission and other power electronic equipment.

### 产品特点 Product features

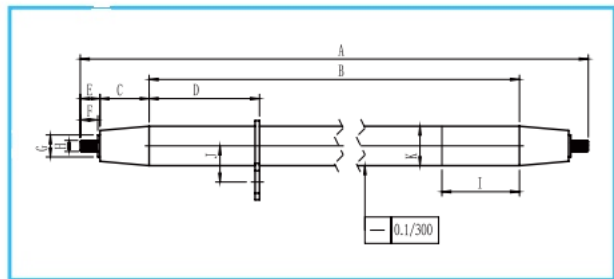
- 不锈钢金属外壳利于热传导。  
Stainless steel metal shell facilitates heat conduction.
- 该产品属外散热器式大功率电阻器，需借助自然冷却、风冷却或水冷却式散热器进行散热。  
Heat dissipation by natural cooling, air cooling and water cooling.
- 大功率、小体积。  
High power and small size.

### 设计 Design

- 采用金属合金材料作电阻体，提高产品的耐电压电流冲击性。  
Using metal alloy materials as resistors to improve the product's resistance to voltage and current surges.
- 采用耐高压和高导热氧化物作电阻体的导热填充料，提高产品的耐高压和高绝缘以及高功率。  
Using high voltage resistant and high thermal conductivity oxides as thermal conductive fillers for resistors to improve the product's high voltage resistance, high insulation, and high power.
- 采用缩径工艺使产品的导热性能优越。  
Adopting reducing-diameter process to enhance the thermal conductivity.



| A   |       |      |      | F    |   | I   |    | K     |      |                  |
|-----|-------|------|------|------|---|-----|----|-------|------|------------------|
| 452 | 350±4 | 40±1 | 30±1 | 11±1 | 8 | Φ10 | M5 | 45min | 20.5 | Φ20 <sub>f</sub> |



### 安装 Installation

- 非常容易安装，无需动用电熔铁。  
Easy to install, no need to use electric melting iron.
- 只需插入Φ20.8散热器孔中用M6的螺丝固定即可。  
Simply insert it into the Φ 20.8 radiator hole and fix it with M6 screws.
- 可为客户设计和配套产品散热器。  
Design and provide heat sinks for customers.

### 电气特性 Electrical characteristics

- 阻值范围 Resistance range: 5Ω-80Ω
- 阻值精度 Resistance accuracy: ±2% (G) ±5% (J) ±10% (K)
- 额定功率 Rated power: 1000W 散热器85℃ at 85℃ heat sink
- 绝缘电阻 Insulation resistance: >500MΩ
- 绝缘耐压 Insulation withstand voltage: 5KV AC 50 Hz 1min
- 启动时间 Starting time (L/R) : ≤0.3 μ S
- 峰值电流 Peak current: 70A, 50HZ, 100 μ S
- 过负荷功率 Overload power: 2000W 20sec
- 温度系数 Temperature coefficient: ≤100ppm/℃
- 散热器间隙 Gap between radiators: 0.05mm max
- 散热器粗糙度 Surface roughness of heat dissipation: 6.3 μ m max
- 最大扭矩 Maximum torque: 2Nm (静态的 static)
- 热阻抗 Thermal impedance: 0.15℃/W
- 重量 Weight: 579g
- 工厂、型式试验 Factory and Type Test Report: Q/HLF01-2002