

RIG8B 系列 / RIG8B series

应用 Application

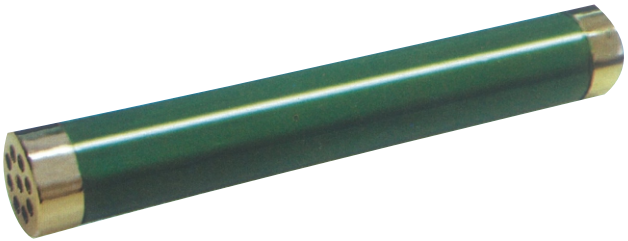
- 适用于高电压和超高压、大功率无散热条件的电力电子设备中做负载、分压、取样、放电等功能用。
Suitable for load, voltage division, sampling, discharge and other functions in high voltage and ultra-high voltage, high-power power electronic equipment without heat dissipation conditions.

产品特点 Product features

- 高含量氧化铝瓷壳，保证产品良好的自然散热及高温状态下的耐高压。
High content alumina ceramic shell, ensuring good natural heat dissipation and high pressure resistance under high temperature conditions.
- 贵金属氧化物电阻浆料使产品具有良好温度系数和宽阻值范围。
Precious metal oxide resistor paste gives the product a good temperature coefficient and a wide range of resistance values.
- 填补线绕电阻无法达到的功率型电阻高阻值段和耐高压。
Fill in the high resistance range and high voltage resistance of power type resistors that cannot be achieved by wire wound resistors.

设计 Design

- 该产品属内散热式设计，可满足无散热条件下的自然散热。
This product belongs to the internal heat dissipation design, which can meet the natural heat dissipation under the condition of no heat dissipation.
- 采用全膜设计可保证产品低电容和低电容值。
Adopting a full film design can ensure low capacitance and low capacitance value of the product.
- 贵金属氧化物的厚膜电阻体，在大功率和脉冲特性的情况下性能优越。
Thick film resistors made of precious metal oxides exhibit superior performance under high power and pulse characteristics.



安装 Installation

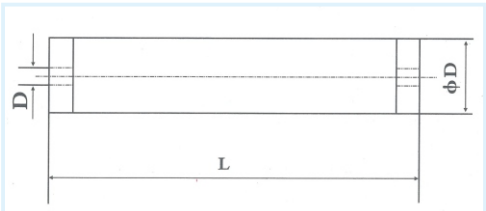
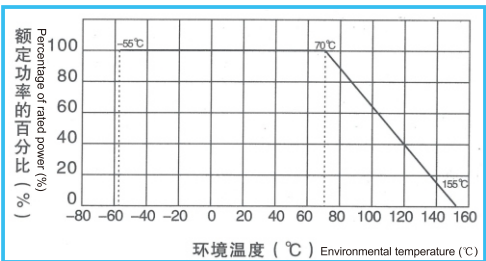
- 需在安装支架上的配合，尺寸按不同规格下选用。
The fitting on the installation bracket is required, and the size should be selected according to different specifications.

材料选用 Material selection

- 选用材料符合UL-94V0
Select materials that comply with UL-94V0

电气特性 Electrical characteristics

- 阻值范围 Resistance range: 50 ~ 100GΩ
- 阻值精度 Resistance accuracy: $\pm 2\%$ (G) $\pm 5\%$ (J) $\pm 10\%$ (K)
- 功率范围 Power range: 100W~400W
- 绝缘电阻 Insulation resistance: $\geq 1\text{G M}\Omega$
- 最大工作电压范围 Maximum operating voltage range: 3KV~1MV
- 过负荷功率 Overload Power: 3倍额定功率 10秒 3npX 10sec
- 温度系数 Temperature coefficient: $\leq 150\text{ppm}/^\circ\text{C}$
- 电感值 Inductance value: $\leq 80\text{nH}$
- 分布电容值 Distributed capacitance value: $\leq 100\text{PF}$
- 平行电容值 Parallel capacitance value: $\leq 40\text{PF}$



主要技术参数及外形尺寸 Main technical parameters and external dimensions						
额定功率(W) Rated power (W)	阻值范围(Ω) Resistance range (Ω)	外形尺寸(ΦD×L)(mm) Dimensions (ΦD×L) (mm)	d(mm)	温度系数TCR×10 ⁻⁴ /°C Temperature coefficient TCR×10 ⁻⁴ /°C	阻值精度 Resistance tolerance	极限电压KV Ultimate voltage KV
30	50~100G	Φ16×90	M5	±150	±2%	30
50		Φ26×130	M6			50
70		Φ26×175	M6			70
100		Φ26×260	M6			100
130		Φ60×155	M8	±2000	±5%	130
150		Φ30×310	M8			150
200		Φ43×270	M8			200
250		Φ38×310	M8			250
300		Φ43×420	M8	±2500	±8%	300
350		Φ60×463	M8			350
400		Φ43×540	M8			400
500		Φ38×620	M8			500
600		Φ60×620	M8		±10%	600
700		Φ43×820	M8			700
800		Φ43×1080	M8			800
1000		Φ43×1350	M8			1000