

# RI80c 精密高压电阻器 Precision High Voltage Resistor



## 产品特点 Features

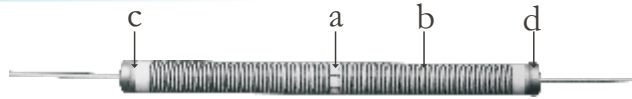
- 无感设计 No Inductance
- 高精度,低温度系数 Close tolerance and TCR
- 阻值范围宽 Wider resistance values
- 高耐压 High voltage applied

## 应用范围 Application

RI80c电阻适用于一切正常高压高阻应用场所直至高可靠的X射线系统。特别应用于电子电力系统,例如高压发生器、精密高压电源、精密分压器、电子显微镜、高精度CRT显示器、汽车电子等。

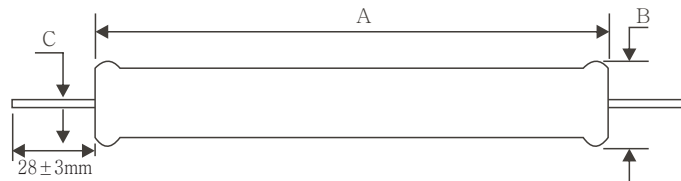
RI80c resistors are suited for all high value and voltage applications from general purpose to highest reliability X-ray systems. Especially for electrical and electrical power system such as high voltage generator, precision high voltage power resource, precision divider, electron microscopes X-rays,, high resolution CRT displays, Automobile Electronic

## 产品结构 Construction



(a)高铝结构	Solid ceramic core with higher Al <sub>2</sub> O <sub>3</sub>
(b)钉、钯组成的厚膜电路	Thick film circuit with Ru、Pd, etc.
(c)银电极	Inner silver electrode
(d)镀镍帽盖、直径1.0mm铜线	Nickel plated end cap, Tinned copper wire with diameter of 1.0mm.

## 外形尺寸 Size

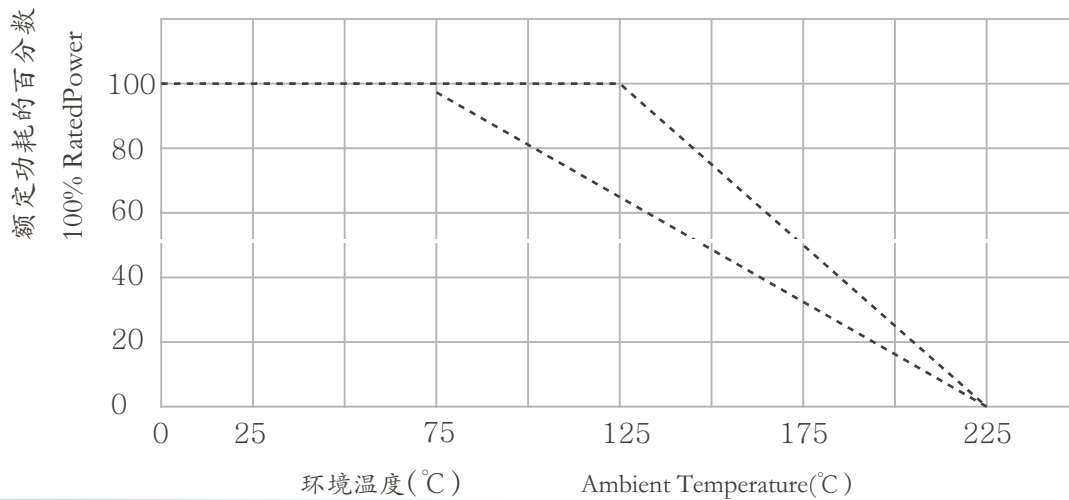


型号 Type	额定功率 Rated power (W)			尺寸 (Size) mm		
	pf专业级	pc精密级	pw功率级	A ± 1.0	B ± 0.5	C ± 0.05
RI80c 20	2.5	-	5	20.20	8.20	1.00
RI80c 26	3.7	1.0	7	26.90	8.20	1.00
RI80c 32	4.5	-	9	33.00	8.20	1.00
RI80c 39	5.2	1.5	11	39.50	8.20	1.00
RI80c 52	7.5	2.0	15	52.10	8.20	1.00
RI80c 78	11	3.0	20	77.70	8.20	1.00
RI80c 103	12	4.0	25	102.9	8.20	1.00
RI80c 122	15	5.0	30	123.7	8.20	1.00
RI80c 154	20	6.0	40	153.7	8.20	1.00

## ● 参考规格 Reference Standards

JIS C 5201-1

## ● 降功耗曲线 Power Derating Curve



## ● 功率、阻值范围与耐电压 Applications And Ratings

型号 Model	额定功率 Rated power (W)			工作电压 Working Voltage (V)			阻值 Resistance					
	pf 专业级	pc 精密级	pw 功率级	pf 专业级	pc 精密级	pw 功率级	pf 专业级		pc 精密级		pw 功率级	
							最小值 Min	最大值 Max	最小值 Min	最大值 Max	最小值 Min	最大值 Max
RI80c 20	2.5		5	4.8		4.8	200	1G	-	-	200	1G
RI80c 26	3.7	1.0	7	6.4	4.0	6.4	250	1G	100K	250M	250	1G
RI80c 32	4.5		9	8.0		8.0	300	1.5G	-	-	300	1.5G
RI80c 39	5.2	1.5	11	12.8	6.0	12.8	400	1.5G	150K	400M	400	1.5G
RI80c 52	7.5	2.0	15	16.0	10.0	16.0	500	2.5G	200K	500M	500	2.5G
RI80c 78	11	3.0	20	24.0	15.0	24.0	900	4G	300K	700M	900	4G
RI80c 103	12	4.0	25	32.0	20.0	32.0	1K2	6G	400K	1G	1K2	6G
RI80c 122	15	5.0	30	40.0	25.0	40.0	1K5	8G	500K	1G	1K5	8G
RI80c 154	20	6.0	40	45.0	30.0	45.0	2K	10G	600K	1G	2K	10G

## ● 技术参数 Specifications

RI80c	Profession (专业级) Pf	Precision (精密级) Pc	Power (功率级) Pw
特点 Feature	适合一般应用, 阻值范围宽, 耐压高 Wide Resistance value	适合电压取样, 温度系数好 TCR	适合小体积大功率, 功率密度大 Higher Power with same size
精度 Tolerance	±1% ±5% ±10%	±1%	±5% ±10%
温度系数 TCR	±100ppm/°C	±25ppm/°C ±50ppm/°C	±100ppm/°C
稳定度 Stability	±0.5%	±0.25%	±0.5%

## ● 性能 Performance

试验项目 TEST ITEM	性能要求 SPECIFICATIONS
寿命 Load life :	125°C 1000h
绝缘电阻 Insulate resistance :	10GΩ
涂覆层 Encapsulation :	高温硅树脂 High temperature silicone conformal
过载 Overload:	5s $\Delta R \leq 0.5\%$
专业/精密级 Profession / Precision:	5Pe ( $\leq 1.5$ Max. operating voltage)
功率级 Power:	1.5Pe
热冲击 Thermal shock:	$\Delta R \leq 0.25\%$
防潮性能 Moisture resistance:	$\Delta R \leq 0.4\%$

## ● 料号编号 ordering Information

例 example

Ri80c	20	J	100KO	A
型号 Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance	特殊码 Special forming
	20:5W 26:7W 32:9W 39:11W 52:15W ..... 154:40W	F(±1%) J(±5%) K(±10%)	100KO=100KΩ 1MO=1MΩ	