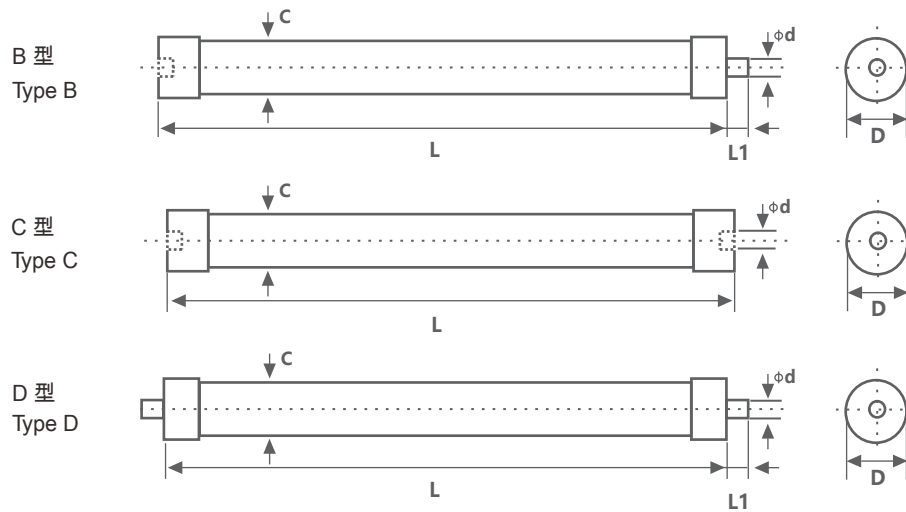


HVR80(RI80) 无感厚膜高压电阻器

HVR80(RI80) Non-inductive Thick Film High Voltage Resistor

产品尺寸图 (Product Size)



产品尺寸表 (Derating Curve)

型号 Model	功率 Power 25 °C (W)	功率 Power 125 °C (W)	尺寸 Size (MM)						最大工作电压 (KV) Maximum operating voltage	脉冲电压 (KV) Pulse voltage 1.2/50uS	阻值公差 Optional accuracy range
HVR80 外形 Type			L±2	D±1	C±0.5	L1±1	φd				
7211	B/C/D	13	8.5	72	11	9.8	7	M4	20	35	D (±0.5%) F (±1%) G (±2%) J (±5%) K (±10%)
10611	B/C/D	18	12.5	106	11	9.8	7	M4	32	50	
14711	B/C/D	25	17.5	147	11	9.8	7	M4	45	70	
8117	B/C/D	18	10	81	17	15	10	M5	22	40	
15617	B/C/D	35	21	156	17	15	10	M5	48	77	
11618	B/C/D	20	12	116	18	16	10	M5	30	48	
11619	B/C/D	30	18	116	19	17	10	M5	30	48	
11621	B/C/D	50	30	116	21	19	10	M6	30	48	
12022	B/C/D	52	31	120	22	20	10	M6	35	60	
13022	B/C/D	55	33	130	22	20	10	M6	37	65	
14522	B/C/D	60	36	145	22	20	10	M6	45	74	
15022	B/C/D	65	39	150	22	20	10	M6	48	77	
11027	B/C/D	60	36	110	27	25	12	M8	30	48	
13027	B/C/D	80	48	130	27	25	12	M8	37	65	
16027	B/C/D	100	60	160	27	25	12	M8	50	92	
21027	B/C/D	150	90	210	27	25	12	M8	55	100	
26027	B/C/D	200	120	260	27	25	12	M8	65	115	
11033	B/C/D	100	60	110	33	30	12	M8	32	50	
16033	B/C/D	150	90	160	33	30	12	M8	50	92	
21033	B/C/D	200	120	210	33	30	12	M8	65	100	
25033	B/C/D	240	140	250	33	30	12	M8	75	120	
31033	B/C/D	300	180	310	33	30	12	M8	80	150	

1. 各种尺寸，规格，电阻值可接受定制。(Vs, specifications, rarious sizeesistance values can be customized.)
2. 额定功率将受到工作电压的影响。(The rated power will be affected by the working voltage.)

HVR80(RI80) 无感厚膜高压电阻器

HVR80(RI80) Non-inductive Thick Film High Voltage Resistor

产品简述 (Product Profile)

电阻基体采用95%以上的高品质陶瓷，电阻膜层采用贵金属银、钌、钯等成分浆料，硅树脂和玻璃介质封装，引出端采用镀锡螺母或螺丝；经850℃高温烧结而成，导热好，电性能稳定，具有耐高压无感、耐脉冲、高稳定性、耐潮湿，可在空气、高压油、环氧树脂中使用。

The matrix adopts more than 95% of high-quality ceramics , the resistance film is made of precious metal silver, ruthenium, palladium and other components of the paste,silicone packaging and glass media packaging,leading-out terminal of the tin-plated copper needle,sintered at 850℃ high temperature,good thermal conductivity, stable electrical performance,with high pressure resistance,non-inductive, pulse resistance, high stability, moisture resistance,they can be used in air, high pressure oil, epoxy resin.

产品特点 (Product Features)

1. 额定功率范围： 13W~500W

2. 耐压范围： AC2.5KV~AC45KV 50Hz/5s

3. 精度范围： ± 0.5% ± 1% ± 2% ± 5% ± 10%
- 1.Rated power range: 13W~500W

2.Dielectric strength: AC6KV~AC80KV 50Hz/5s

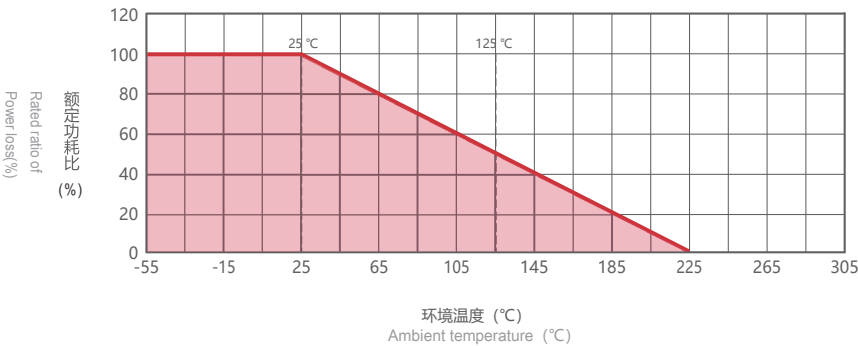
3.Accuracy range: ± 0.5% ± 1% ± 2% ± 5% ± 10%



电气、机械特性 (Mechanical And Electrical Properties)

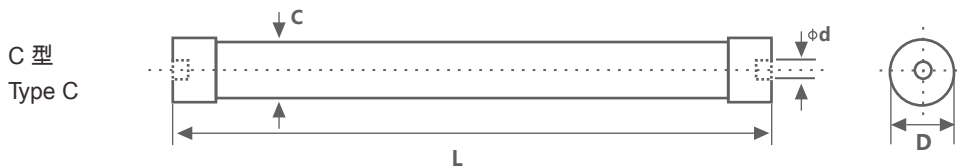
特性 Property	检查方法 Inspection method	性能要求 Performance requirements	试验标准 Test method
过负荷特性 Overload characteristic	5倍额定功率，但不超过1.5 倍最大持续工作电压，连续5 秒钟 5 times the rated power, but not more than 1.5 times the maximum continuous operating voltagefor 5 seconds	$R\leq\pm(0.2\%\pm0.1\Omega)$	GB5729.4.13
绝缘电阻 Insulation resistance	DC 1000V	$R\geq 1000M\Omega$	GB5729.4.6
介质耐压 Dielectric withstand voltage	VDC 1000V 50Hz 5s	无击穿或飞弧 Free of breakage or flying arc	GB5729.4.7
负载稳定性 Load stability	1000 小时额定功率(室温) 1000h rated power (room temperature)	$R\leq\pm(0.5\%\pm0.1\Omega)$	GB5729.4.25
冷热冲击 Load stability	Mil-Std-202,方法107,条件C Method 107, Condition C	$R\leq\pm(0.2\%\pm0.1\Omega)$	
防潮能力 Moisture resistance	Mil-Std-202,方法107 Method 107	$R\leq\pm(0.4\%\pm0.1\Omega)$	
工作环境温度 Operating ambient temperature	-55℃~ 225℃	$R\leq\pm(0.2\%\pm0.1\Omega)$	

降额曲线 (Derating Curve)



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HVR80(RI80) Non-inductive Thick Film High Voltage Resistor

产品尺寸图 (Product Size)



产品尺寸表 (Derating Curve)

型号Model		功率 Power 25°C (W)	功率 Power 125°C (W)	尺寸 Size (MM)				最大工作电压(KV) Maximum operating voltage	脉冲电压(KV) Pulse voltage 1.2/50uS	阻值公差 Optional accuracy range
HVR80	外形Type			L±2	D±1	C±0.5	φd			
3108	C	3.5	2.5	31	8	7	M4	6.0	9.0	D(±0.5%) F (±1%) G (±2%) J (±5%) K (±10%)
6009	C	7.5	5.0	60	8	7	M4	15	30	
11009	C	12	8.0	110	9	8	M4	32	50	
12509	C	14	9.0	125	9	8	M4	35	60	
13509	C	15	10	135	9	8	M4	37	65	
14509	C	17	12	145	9	8	M4	40	70	
16309	C	20	15	163	9	8	M4	48	77	
15037	C	180	108	150	37	35	M8	48	77	
21037	C	250	150	210	37	35	M8	65	115	
31037	C	400	240	310	37	35	M8	80	150	
31052	C	500	300	310	52	50	M10	80	150	

- 1.各种尺寸，规格，电阻值可接受定制。（Vs, specifications, rarious sizesistance values can be customized.）
2.额定功率将受到工作电压的影响。（The rated power will be affected by the working voltage.）

成品识别码 (Product Identification Code)

HVR80	C	K	15209	K	100M	F
产品型号 Model	A=引线 (led) B=螺钉+螺母 (Screw+Nut) C=螺母+螺母 (Nut+Nut) D=螺钉+螺钉 (Screw+Screw)	封装Package K=黑色(black) L=绿色(green) H=红色(red) U=蓝色(blue)	尺寸(长×直径) Dimensions(length×diameter) 16309=163×9 7211=72×11 5208=52×8	温度系数 Temperature coefficient J=±200ppm K=±100ppm L=±50ppm M=±25ppm	阻值Resistance 10K2=10.2KΩ 1M=1MΩ 1G5=1. 5GΩ	精度Accuracy D(±0.5%) F (±1%) G (±2%) J (±5%) K (±10%)

选型示例: HVR80CK15609K100MF (HVR80, 螺母 + 螺母, 黑色, 尺寸 152X9, ± 100ppm/°C , 100M Ω, ± 1%)
Selection example:HVR80CK15609K100MF(HVR80,Nut+Nut,black,size 152X9, ± 100ppm/°C,100M Ω, ± 1%)