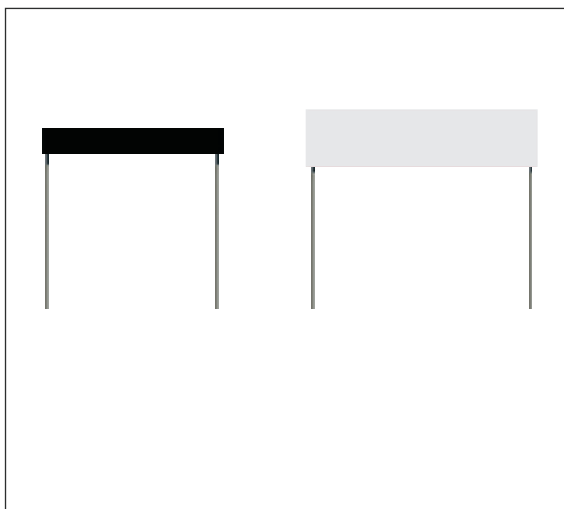


# HVU 高压电阻 HIGH VOLTAGE RESISTORS



本体颜色: Body Color

标准品: Standard

标示: Marking

文字: Alphanumeric(1W-3W)

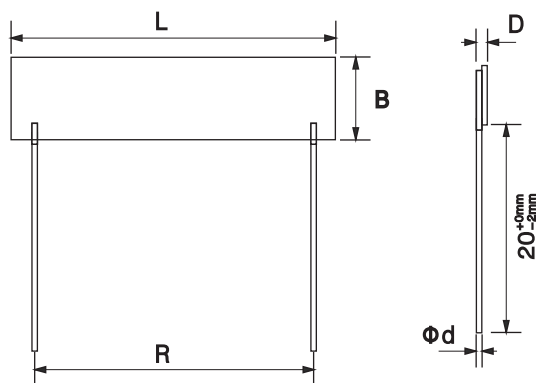
(根据客户要求提供相应标识)

(According to the customer request to provide corresponding identification)

## 产品特点 Features

- 厚膜高压电阻 High voltage resistors in thick film
- 通过弯曲可改变引线跨距 Variable lead spacing by bending
- 阻值可达10TΩ Resistance values up to 10 Teraohm
- 低温度系数、低电压系数 Low values of TCR and VCR

## 外形尺寸 Dimensions



型号	功率(W)	尺寸(mm)				
		L	B	D	R	d
HVU	1W	30.0	6.0	1.4	27.5	0.40±0.05
HVU	2W	40.0	6.0	1.4	37.8	0.40±0.05
HVU	3W	50.0	12.0	1.4	47.8	0.40±0.05

L=长度, B=宽度, D=厚度, d=引线直径 (mm)

L=Length, B=Width, D=Thickness, d=wire diameter(in mm)

R=标准引线间距 (通过弯曲可达到其他跨距)

R=standard lead spacing(other spacing possible by bending)

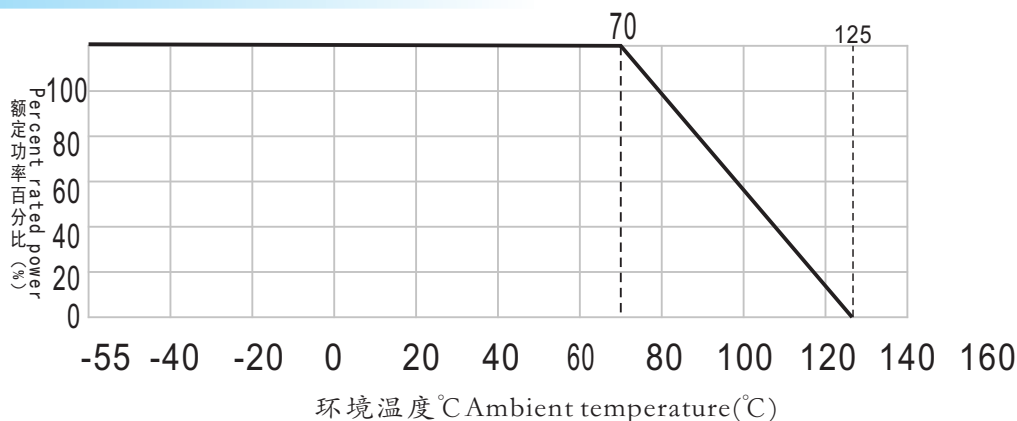
外形尺寸公差: ±0.5mm

Tolerance of dimensions: ±0.5mm

## 参考规格Reference Standards

IEC60115

## ● 降功耗曲线 Derating Curve



## ● 技术说明 Technical Specifications

型号 Type	额定功率P (W) Rating PowerP(w)	工作电压 Working Voltage	阻值范围/精度/温度系数 <sup>1)</sup> /电压系数 <sup>2)</sup> Resistance Range/Tolerance/TCR <sup>1)</sup> /VCR <sup>2)</sup>				
			1M-100M	>100M-1G	>1G-100G	>100G-1T	>1T-10T
HVU30	1W	10KV	0.25/.../10% TC25/50/100 <2ppm/V	1/2/5/10/20% TC50/100/250 <5ppm/V	5/10/20/30% TC250/500 <20ppm/V	5/10/20/30% TC500/1000 <100ppm/V	-
HVU40	2W	20KV	0.25/.../10% TC25/50/100 <1ppm/V	1/2/5/10/20% TC50/100/250 <2ppm/V	5/10/20/30% TC250/500 <10ppm/V	5/10/20/30% TC500/1000 <50ppm/V	-
HVU50	3W	30KV	0.25/.../10% TC25/50/100 <1ppm/V	1/2/5/10/20% TC50/50/100 <1ppm/V	5/10/20/30% TC100/250 <5ppm/V	5/10/20/30% TC250/500 <25ppm/V	10/20/30% TC500/1000 <100ppm/V

注：1) 温度系数25/50:温度范围+25°C~+85°C

1)TCR25/50:Temperature range+25°C~+85°C

2)电压系数在10V和100V之间测量

2) VCR measured between 10V and 100V

更好的精度、温度系数和电压系数及其他外形尺寸或电压分压器可按要求和协议提供

Closed values of tolerance, TCR and VCR, other dimensions or voltage dividers on request and agreement

## ● 性能Performance

试验项目 TEST ITEM	性能要求 SPECIFICATIONS	
温度范围 Temperature range	-55°C ~+125°C	
气候类型按IEC60068 Climatic category toIEC60068	55/125/56	
湿度-/接触保护 Humidity-/contact protection	漆涂覆 Lacquer coating	
长期稳定性 Long term stability	≤10G	>10G
高温贮存125°C/1000h Storage125°C/1000h	<1%	<2%
电大电压/1000h Max. voltage/1000h	<1%	<2%

## ● 料号编号 ordering Information

例 example

HVU	3W	100K0	J	C2	V1
型号 Type	额定功率 Rated Power	电阻值 (Ω) Resistance	误差值 Tolerance	温度系数 TCR	电压系数 VCR
	1W 2W 3W	100K0=100KΩ 1M0=1MΩ	F(±1%) J(±5%)	C3: ±25PPM/°C C2: ±50PPM/°C C1: ±100PPM/°C	V1: ±2PPM/V V2: ±5PPM/V V3: ±20PPM/V V4: ±50PPM/V