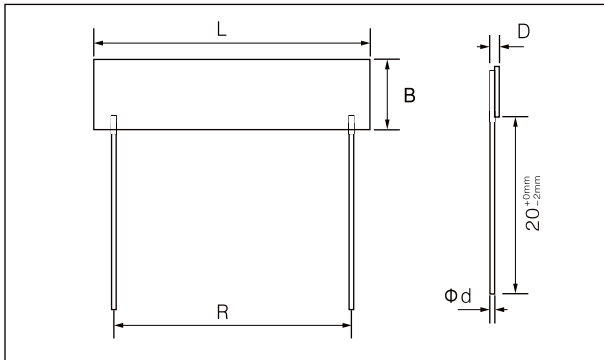


● Features

- I High voltage resistors in thick film
- II Variable lead spacing by bending
- III Resistance values up to 10 Tera Ohm
- IV Low values of TCR and VCR

● Dimensions



Size	L	B	D	R	d
HVU	30.0	6.0	1.4	27.5	0.40 ± 0.05
HVU	40.0	6.0	1.4	37.8	0.40 ± 0.05
HVU	50.0	12.0	1.4	47.8	0.40 ± 0.05

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

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

Tolerance of dimensions: ± 0.5mm

● Ordering Information

Example:

HVU	3W	F	100K0	C3	V1
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Power Rating	Resistance Tolerance	Resistance	TCR	VCR

(1)Type: HVU SERIES

(2)Power Rating: 1W,2W,3W

(3)Tolerance: F= ± 1%、J= ± 5%

(4)Resistance Value:100K0=100KΩ,1MΩ=1MΩ

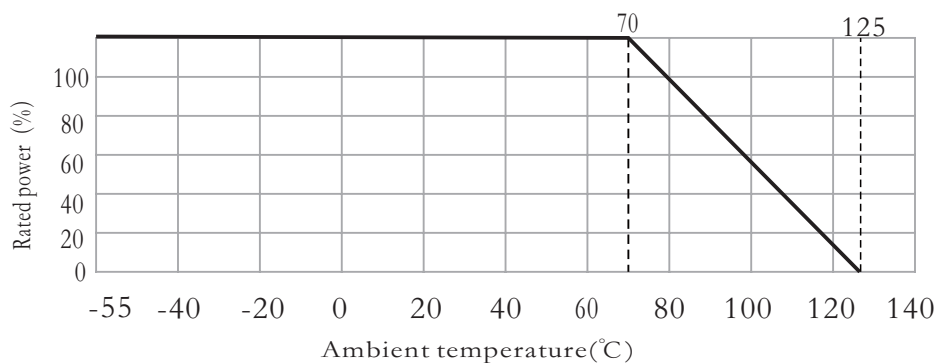
(5)TCR: C3= ± 25PPM/°C, C2= ± 50PPM/°C, C1= ± 100PPM/°C

(6)VCR: V1= ± 2PPM/V, V2= ± 5PPM/V, V3= ± 20PPM/V, V4= ± 50PPM/V

● Reference Standards

JISC 5201-1

● Derating Curve



Applications And Ratings

Type	Rating Power P(W)	Max.Working Voltage	Resistance Range/Tolerance/TCR ¹⁾ /VCR ²⁾				
			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

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

2) VCR measured between 10V and 100V

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

Performance

TEST ITEM	SPECIFICATIONS	
Temperature range	-55°C ~+125°C	
Climatic category toIEC60068	55/125/56	
Humidity-/contact protection	Lacquer coating	
Long term stability	≤10G	>10G
Storage125°C/1000h	<1%	<2%
Max. voltage/1000h	<1%	<2%