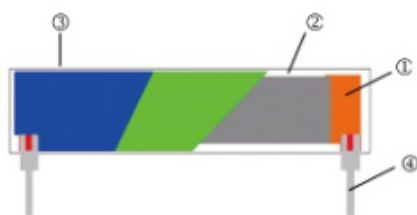
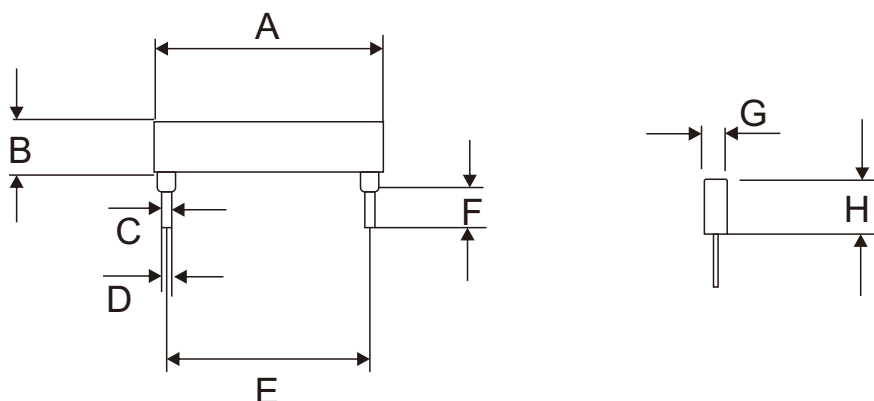




● Constructions



● Dimensions



Type	Power	A	B	C	D	E	F	G _{max}	H _{max}	Weight(g) 1000pcs
PHV 2055	1W	20±0.5	5.5±0.5	0.5	1.4	17.78±0.5	3.3±0.7	2.0	7.5	420
PHV 2555		25.4±0.5	5.5±0.5	0.5	1.4	22.86±0.5	3.3±0.7	2.0	7.5	468
PHV 3855		38.1±0.5	5.5±0.5	0.5	1.4	35.56±0.5	3.3±0.7	2.0	7.5	500

● Applications And Ratings

Type	Rated Power (W)	Max Operating Voltage(V)	Max Operating Voltage(V)	Resistance Range(Ω)					Operating Temperature	(+25~85℃) TCR(PPM/℃)
				±0.1%	±0.2%	±0.25%	±0.5%	±1%		
2055	1W	1200	1500	10KΩ-1MΩ	10KΩ-40MΩ				-40~+85℃	± 25PPM
2555	1W	1200	1500	10KΩ-1.5MΩ	10KΩ-50MΩ				-40~+85℃	
3855	1W	1200	1500	10KΩ-2MΩ	10KΩ-60MΩ				-40~+85℃	

Operating Voltage= $\sqrt{P \cdot R}$ or Max. operating voltage listed above, whichever is lower.
 Overload Voltage= $2.5\sqrt{P \cdot R}$ or Max. overload voltage listed above, whichever is lower.

● Features

- I Resistance range from 10 ohm to 60Meg ohm .
- II Low TCR down to ± 25 PPM/°C.
- III Tight tolerance down to $\pm 0.1\%$.
- IV Load life stavlity of 0.10% per1,1000hours
- V High operating volyage

● Applications

- I HV Powe Supplies
- II Medical Instrument.
- III Current Pulse Limiters
- IV Lonization Chambers

①	Inner Electrcoc (Ag)
②	Resistor Layer (Ni/Cr)
③	Overcoat (Epoxy)
④	Terminal (Cu/ Sn)

Reference Standards

JISC 5201-1

Ordering Information

Example:

PHV (1)	01 (2)	B (3)	C (4)	T (5)	10R0 (6)	2055 (7)	N (8)
Series Name	Power Rating	Resistance Tolerance	TCR	Packaging	Resistance	Dimensions	Marking

(1)Type: PHV SERIES

(2)Power Rating: 01=1W

(3)Tolerance: B=±0.1%、C=±0.25%、D=±0.5%、F=±1%

(4)TCR:C6=±10ppm/°C;C5=±15ppm/°C;C2=±50ppm/°C;

(5)Packaging: B=bulk

(6)Resistance Value:1001=1KΩ、1004=1MΩ、4005=40MΩ

(7)Dimensions(L*W):2055:20*5.5,2555:25.4*5.5,3855:38.1*5.5

(8)Marking:Standard Marking N:No Marking

Performance Characteristics

Item	Requirement	Test Method
Temperature Coefficient of Resistance (T.C.R.)	As Spec.	+25/-55/+125/+25° C
Short Time Overload	$\Delta R \pm 0.5\%$	RCWV*2.5 or Max. overload voltage for 5 seconds
Insulation Resistance	>1000MΩ	Apply 100VDC for 1 minute
Endurance	$\Delta R \pm 0.5\%$	70 ± 2°C. Max. working voltage for 1000 hrs with 1.5 hrs "ON and 0.5 hrs "OFF"
Damp Heat with Load	$\Delta R \pm 0.3\%$	40 ± 2°C . 90-95% R.H. Max. working voltage, for 1000 hrs with 1.5 hrs "ON and 0.5 hrs "OFF"
Dry Heat	$\Delta R \pm 0.2\%$	at +155 °C for 1000 hrs
Bending Strength	$\Delta R \pm 0.2\%$	Bending amplitude 3mm for 10 seconds
Solderability	90% min.coverage	245 ± 5° C for 3 seconds
Resistance to Soldering Heat	$\Delta R \pm 0.2\%$	260 ± 5° C for 10 seconds
Dielectric Withstanding Voltage	By Type	Apply Max. overload voltage for 1 minute
Thermal Shock	$\Delta R \pm 0.25\%$	~55°C ~ 150°C, 100 cycles
Low Temperature Operation	$\Delta R \pm 0.2\%$	1 hour, -65° C, followed by 45 minutes of RCWV

■Reference Standards: MIL-STD-202, JIS-C 5201-1

■Storage Temperature: 25±3° C; Humidity < 80%RH