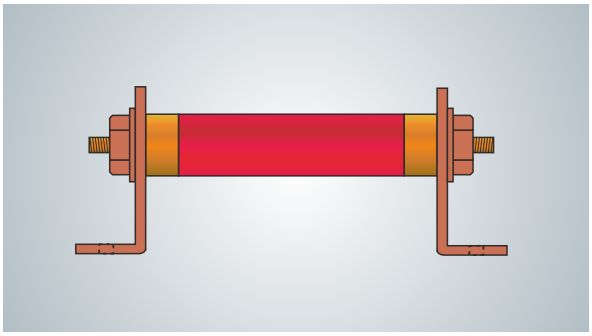
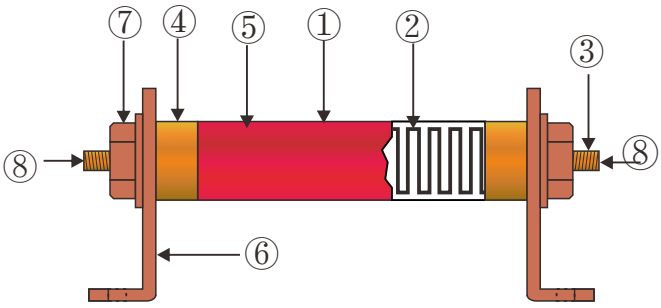
HVZ High Voltage Glaze Resistors



Body Color
Standard(Red)
Marking
Alphanumeric (20W~1000W)

Construction



①Ceramic core
②Glazed resistive film
③Screw
④Copper cap
⑤Protective coating
⑥Epoxy stents
⑦Epoxy nut
⑧Terminal

Feature

- No Inductance
- Excellent Tolerance
- Wider resistance values
- High Voltage ,High Power

Applications

1、Impulse voltage generator
2、Electric-arc furnace damping,
3、Pulse modulator, radar pulse opens the network
4、Arc suppression circuit of capacitor, high voltage buffer circuit
5、X-ray/head portrait equipment and EMI/ lightning suppression

Ordering Information

Example

HVZ	20	J	100K	A
(1)	(2)	(3)	(4)	(5)
Series Name	Power Rating	Resistance Tolerance	Resistance Value	Special forming

(1)Type: HVZ

(2)Power Rating:20=20W,50=50W,100=100W

(3) Resistance Tolerance :F(±1%),G(±2%),J(±5%,K(±10%)

(4)Rseistance Value:1MKΩ,100KΩ,10KΩ,1KΩ…

(5)Special forming : A1 With brackets, A2 Without Brackets

Reference Standards

JIS C 5201-1

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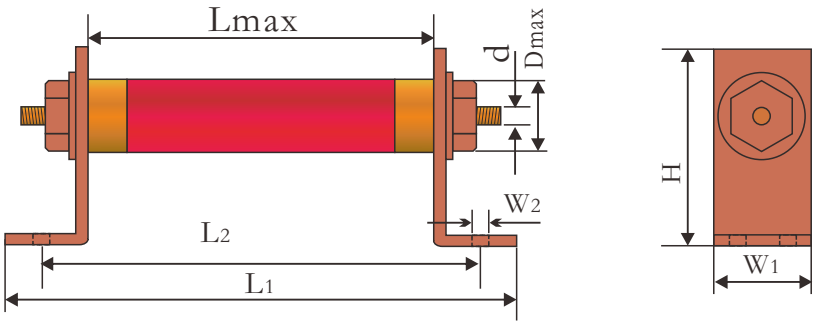
Power And Resistance etc

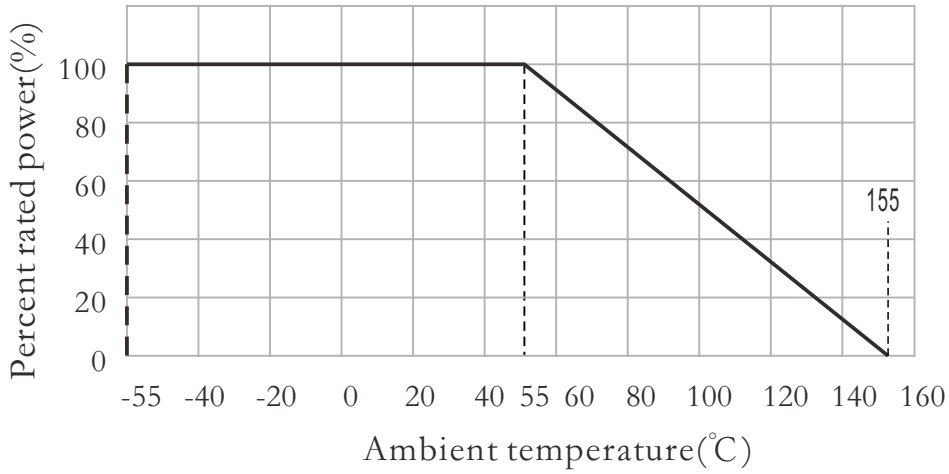
Rated Power(W)	Resistance Range(Ω)	TCR(PPM/℃)	Max working Voltage(KV)	Applicable temperature	Tolercance
20W	1.0K-1000G	±300	30	-55℃ ~ +70℃	F(±1%) G(±2%) J(±5%) K(±10%)
25W	1.0K-1000G	±300	30		
30W	1.0K-1000G	≤400	30		
50W	1.0K-1000G	≤400	30		
80W	1.0K-1000G	≤400	30		
100W	1.0K-1000G	≤400	30		
150W	1.0K-1000G	≤400	35		
200W	1.0K-1000G	≤400	35		
300W	1.0K-1000G	≤400	35		
400W	1.0K-1000G	≤400	35		
500W	1.0K-1000G	≤400	40		
600W	1.0K-1000G	≤400	50		
800W	1.0K-1000G	≤400	60		
1000W	1.0K-1000G	≤400	80		

Dimensions



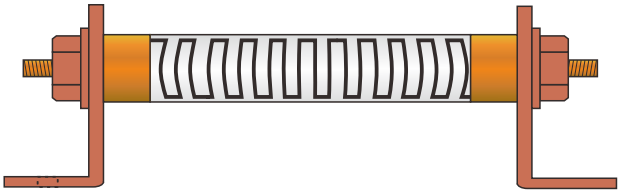
Type	Power	Dimensions(mm)							
		Lmax	Dmax	d±0.1	L1	L2	H	W1	W2
HVZ20W	20W	147±2	11±1	M6	167±2	187±2	40±1	20±1	10±1
HVZ25W	25W	116±2	17±1	M6	156±2	136±2	50±1	20±1	10±1
HVZ30W	30W	116±2	19±1	M6	156±2	136±2	50±1	20±1	10±1
HVZ50W	50W	116±2	19±1	M6	156±2	136±2	50±1	20±1	10±1
HVZ80W	80W	116±2	21±1	M6	156±2	136±2	50±1	30±1	10±1
HVZ100W	100W	130±2	27±1	M6	170±2	150±2	60±1	30±1	10±1
HVZ150W	150W	160±2	27±1	M6	200±2	180±2	60±1	30±1	10±1
HVZ200W	200W	210±2	27±1	M6	250±2	230±2	60±1	30±1	10±1
HVZ300W	300W	260±2	27±1	M6	310±2	290±2	60±1	30±1	10±1
HVZ400W	400W	310±2	33±1	M6	350±2	330±2	65±1	45±1	15±1
HVZ500W	500W	480±2	27±1	M6	530±2	530±2	60±1	30±1	10±1
HVZ600W	600W	520±2	27±1	M6	560±2	560±2	60±1	30±1	10±1
HVZ800W	800W	620±2	33±1	M6	660±2	660±2	65±1	40±1	10±1
HVZ1000W	1000W	920±2	33±1	M6	980±2	980±2	65±1	40±1	10±1

Derating Curve



Non-inductive Characteristics

HVZ use non-inductive design, special glazed film , distribute itself like the Great Wall ⎍⎍⎍⎍⎍ , this high efficiency and non-inductive disign will not cut any advantages of the resistor's function. It is perfect for products which request high frequency . Inductor value keeps at 0.1μH~1μH



Peformance

Test Item	Specifications
Resistance Tolerance	±1% ±5% ±10% ,±0.5%is available
Temperature Coefficient	100ppm/℃ (Referanced to +25℃,RΔtaken at +125℃ and -55℃)
Load life	+125℃,1000h ΔR≤0. 5%
Insulate resistance	≥1000MΩ
Encapsulation	High temperature silicone conformal
Overload	2.5 Rated power(≤1.5 Max. operating voltage)5s ΔR≤0. 5%
Thermal shock	ΔR≤0.25%
Moisture resistance	ΔR≤0.4%
Solderable Lead	30±3mm