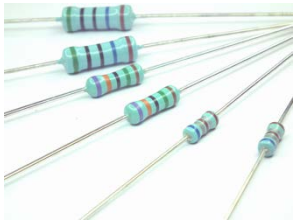
HVA Series

High Voltage Axial Leaded Resistor

Stackpole Electronics, Inc.
Resistive Product Solutions

Features:

- High resistance for high voltage circuits
- High voltage handling in small package size
- More economical than comparable high voltage resistors
- VCR less than 20 ppm/V
- RoHS compliant

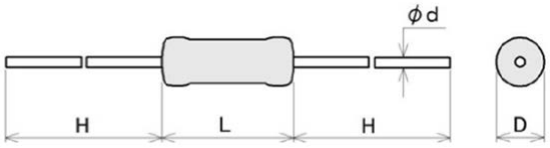


Electrical Specifications

Type/Code	Power Rating (Watts)	Maximum Working Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance		
				1%	5%	10%
HVA05	0.5W	3500V	±200 ppm/ºC	1M - 500M		
HVA08	0.8W	7000V		1M - 500M	1M - 1G	
HVA12	1.2W	8000V		1M - 500M	1M - 1G	

Rated voltage = √Power Rating x Nominal Resistance or Maximum Working voltage, whichever is lower.

Mechanical Specifications



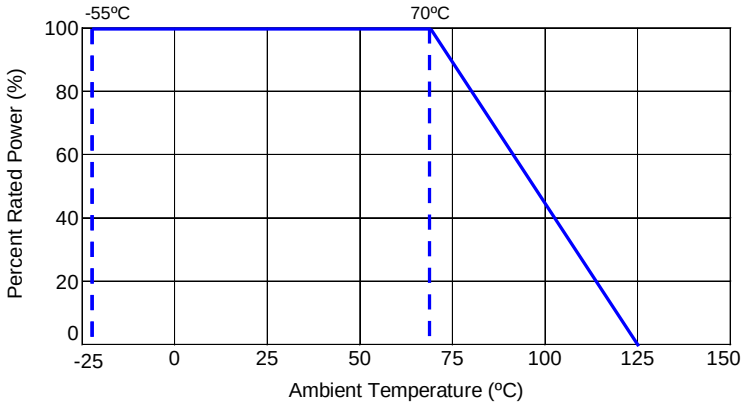
Type/Code	Weight (mg)	L Body Length	D Body Diameter	d Lead Diameter	H Lead Length (bulk)	Unit
HVA05	210	0.236 ± 0.008 6.00 ± 0.20	0.098 ± 0.020 2.50 ± 0.50	0.022 ± 0.002 0.55 ± 0.05	1.102 ± 0.118 28.00 ± 3.00	inches mm
HVA08	330	0.335 ± 0.039 8.50 ± 1.00	0.118 ± 0.020 3.00 ± 0.50	0.022 ± 0.002 0.55 ± 0.05	1.102 ± 0.118 28.00 ± 3.00	inches mm
HVA12	570	0.433 ± 0.039 11.00 ± 1.00	0.157 ± 0.020 4.00 ± 0.50	0.022 ± 0.002 0.55 ± 0.05	1.102 ± 0.118 28.00 ± 3.00	inches mm

Performance Characteristics

Test	Test Specification	Test Condition and Method
Temperature Coefficient of Resistance (ppm/ºC)	±200 ppm/ºC	25°C ~ 125°C
Rapid Change of Temperature	±1%	-25°C (30 minutes)/+125°C (30 minutes) - 5 cycles
Damp Heat (steady state)	±5%	40 ± 2°C 93 ± 3% R.H. 0.1 x Rated Voltage 90 minutes ON, 30 minutes OFF - 1000 hours
Endurance (at 70°C)	±5%	Room temperature. Rated Voltage 90 minutes ON, 30 minutes OFF - 1000 hours
Resistance to Soldering Heat	±1%	260 ± 5°C, 10 ± 1 second

Reference standards: JIS-C5201-1, IEC60115-1
Operating Temperature Range: -25ºC to +125ºC

Power Derating Curve:



"Conflict Metals" Commitment

We at Stackpole Electronics, Inc. are joined with our industry in opposing the use of metals mined in the "conflict region" of the eastern Democratic Republic of the Congo (DRC) in our products. Recognizing that the supply chain for metals used in the electronics industry is very complex, we work closely with our own suppliers to verify to the extent possible that the materials and products we supply do not contain metals sourced from this conflict region. As such, we are in compliance with the requirements of Dodd-Frank Act regarding Conflict Minerals.

Compliance to "REACH"

We certify that all passive components supplied by Stackpole Electronics, Inc. are SVHC (Substances of Very High Concern) free and compliant with the requirements of EU Directive 1907/2006/EC, "The Registration, Evaluation, Authorization and Restriction of Chemicals", otherwise referred to as REACH. Contact us for complete list of REACH Substance Candidate List.

Environmental Policy

It is the policy of Stackpole Electronics, Inc. (SEI) to protect the environment in all localities in which we operate. We continually strive to improve our effect on the environment. We observe all applicable laws and regulations regarding the protection of our environment and all requests related to the environment to which we have agreed. We are committed to the prevention of all forms of pollution.

How to Order

1	2	3	4	5	6	7	8	9	10	11
H	V	A	0	5	F	B	1	M	0	0

Product Series	
HVA	High voltage Axial Leaded Resistor

Power Rating	
Size	Power Rating
05	0.5W
08	0.8W
12	1.2W

Tolerance		
Code	Tol	Value
F	1%	E24
J	5%	
K	10%	

Packaging			
Code	Description	Size	Quantity
A	Ammo	05, 08	2,000
		12	1,000
B	Bulk	all sizes	1,000

Resistance Value
Four characters with the multiplier used as the decimal holder.
1 Mohm = 1M00 50 Mohm = 50M0 1 Gohm = 1G00