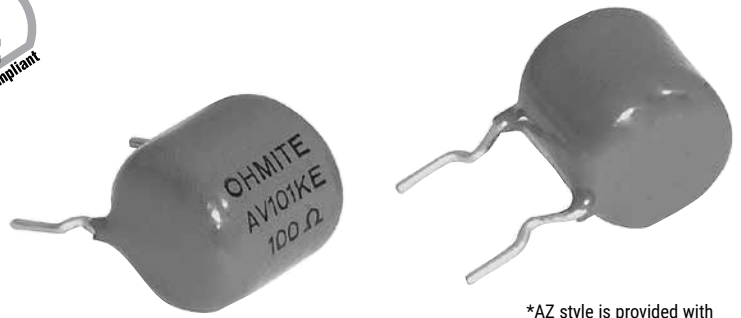


A Series

PulsEater® Ceramic Composition Available in E12 Ohmic values



*AZ style is provided with dual terminal wires

The "A" Series non-inductive, ceramic composite resistors are designed for a variety of applications where high energy handling capabilities are crucial. These resistors are ideal for any application which is subject to surges, high peak power, or impulse energy.

Their unique design allows uniform distribution of energy throughout their structure which results in low thermal stress. The high-temperature, solvent-resistant epoxy coating carries a UL94V0 flammability rating which is suitable for almost any environment.

FEATURES

- High Surge Energy
- Non-Inductive
- Small Size

APPLICATIONS

- Motor Drives
- Power Supplies, UPS
- Power Conversion
- In-Rush Current Limiting

SERIES SPECIFICATIONS

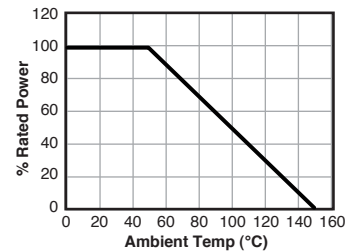
Series	Resistance ¹ (ohms)	P avg. ² (watts)	Impulse Voltage ³ (volts)	Energy ⁴ (joule)
AV	3.3 to 10K	2.0	1000	250
AW	4.7 to 15K	2.5	1500	400
AX	1.0 to 3.3K	3.5	1000	700
AY	2.2 to 6.8K	4.5	2000	1400
AZ	1.5 to 4.7K	5.5	2500	2800

¹E12 Standard Values ±10%; ²Free Air 40°C Ambient; ³In Air; ⁴Single Impulse

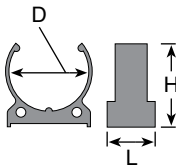
CHARACTERISTICS

Resistance Element	Bulk Ceramic
Terminals	Radial; 100% Sn solder coated radial (60/40 solder available upon request)
Coating	UL94V0, solvent resistant epoxy
Tolerance	±10% Standard
Operating Temp. Range	-55°C to 150°C
Derating	Derates linearly from 100% @ 50°C to 0% @ 150°C
Temperature Rise	100°C @ 100% rated power, 50°C ambient

Derating



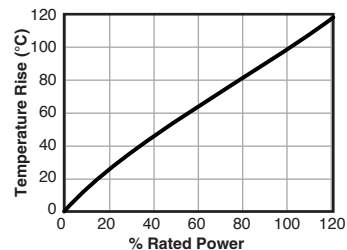
Mounting clip



This saddle clip conforms to the configuration of Ohmite's A Series resistor to provide secure mounting. Made of a durable thermoplastic polyester, the saddle clip is designed to secure the A Series in place while safely withstanding its operating temperatures. Use (2) saddle clips per resistor for extra stability.

Part No.	Dim. (mm)			for Series	Color
	D	H	L		
5911E	20	23	13	AX and AY	White
5910E	25	26	15	AZ	Black

Surface Temperature Rise vs. Applied Power

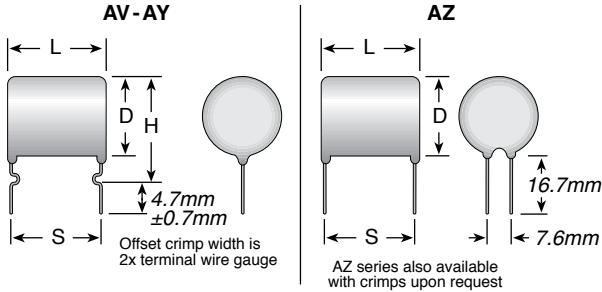


(continued)

A Series

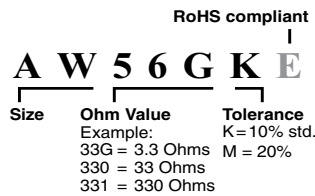
PulsEater® Ceramic Composition
Available in E12 Ohmic values

DIMENSIONS



Series	P avg.2 (watts)	L max. (mm)	D max. (mm)	H max. (mm)	S norm. (mm)	Term. wire gauge (AWG)	Weight (g)
AV	2.0	15	13	22	12.5	20	3.9
AW	2.5	20	13	22	17.5	20	5.4
AX	3.5	15	21	28	12.5	18	10
AY	4.5	25	21	28	22.5	18	19
AZ	5.5	30	26		27	18	33

ORDERING INFORMATION



Standard Values

Ohmic value	Part No. Prefix	Series	Ohmic value	Part No. Prefix	Series	Ohmic value	Part No. Prefix	Series	Ohmic value	Part No. Prefix	Series
1.0	10GK	AV	5.6	56GK	AV	33	330K	AV	220	221K	AV
1.2	12GK	AW	6.8	68GK	AW	39	390K	AW	270	271K	AW
1.5	15GK	AX	8.2	82GK	AX	47	470K	AX	330	331K	AX
1.8	18GK	AY	10	100K	AY	56	560K	AY	470	471K	AY
2.2	22GK	AZ	12	120K	AZ	68	680K	AZ	560	561K	AZ
2.7	27GK		15	150K		82	820K		680	681K	
3.3	33GK		18	180K		100	101K		820	821K	
3.9	39GK		22	220K		120	121K		1000	102K	
4.7	47GK		27	270K		150	151K				
						180	181K				

Check product availability at www.ohmite.com

✓ = Standard values Non-standard values subject to a minimum handling charge per item.

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