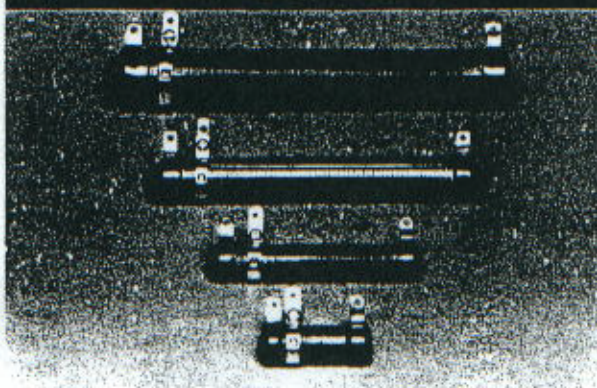


Series VPA & VKA
10, 25, 50, 100, 160-175, 200-225 Watt
Adjustable-Power, Wirewound Resistors



Description

The VPA and VKA adjustable-power resistors are excellent for applications requiring settings at different resistance values. The resistors come equipped with an adjustable slider lug, making them ideal for adjusting circuits, obtaining odd resistance values, and setting equipment to meet various line voltages. The VPA and VKA series are made in accordance to MIL-R-26 standards. These resistors can be bracket mounted.

Features

- Adjustable slider lug
- Rugged vitreous enamel
- All-welded construction
- Meets or exceeds MIL-R-19365 standards.

DISCONTINUED

Series VPA & VKA Material Specifications

Coating

Vitreous enamel

Core

Tubular ceramic

Terminals

Tinned, lug terminals, solderable to MIL-R-26

Weight

VP10FA	VP25KA	VP50KA	VK100NA	VK160WA	VK200WA
10 watt	25 watt	50 watt	100 watt	160 watt	200 watt
.32 oz.	.8 oz.	1.44 oz.	3.2 oz.	8 oz.	9.92 oz.
8.96 gms.	22.4 gms.	40.3 gms.	89.6 gms.	224 gms.	277.8 gms.

Series VPA & VKA Electrical Specifications

Resistance Tolerance

±10% standard

Closer tolerances available.

Power Rating

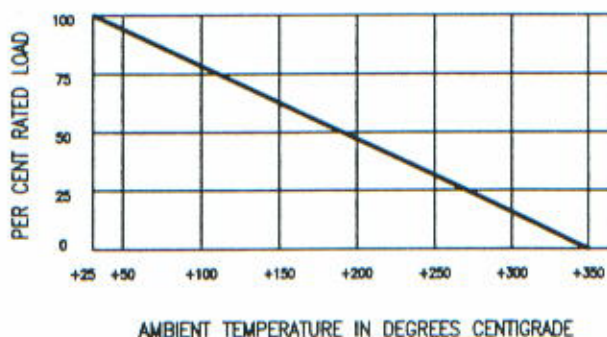
Based on 25°C free air rating

Series	Standard Wattage	Maximum Wattage
VP10FA	10	12
VP25KA	25	N/A
VP50KA	50	N/A
VK100NA	100	N/A
VK160WA	160	175
VK200WA	200	225

N/A = Not applicable.

Figure 1

Series VPA & VKA Derating



Electrical Specifications continued, next page

Overload

10 times rated wattage for 5 seconds

Temperature Coefficient $\pm 100 \text{ ppm}/^\circ\text{C}$ **Dielectric Withstanding Voltage**

1000 Vac

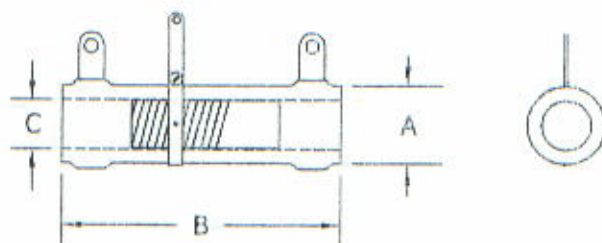
When dual wattages are shown:

Lower wattages have maximum hotspot 275°C ;Higher wattages have maximum hotspot 350°C .

Stated wattage applies only when full resistance is in the circuit.
 Setting the slider lug at an intermediate point reduces the wattage rating by the approximate same proportion.

Example: Lug at 50%, wattage is reduced by 50%.

Figure 2

Series VPA Dimensions

	A*	B*	C*
VP10FA	.313	1.750	.188
VP25KA	.562	2.000	.313
VP50KA	.562	4.000	.313
VK100NA	-----	DISCONTINUED	-----
VK160WA	-----	DISCONTINUED	-----
VK200WA	-----	DISCONTINUED	-----

* Maximum Dimensions

Series VPA & VKA Standard Resistance Values**Stock Values**

12 WATT	VP10FA	ADJUSTABLE
1 20 250	800 3500	8000
2 25 300	1000 4000	8500
3 50 350	1250 4500	9000
5 75 400	1500 5000	10K
7.5 100 500	2250 6000	
10 150 600	2500 7000	
15 200 750	3000 7500	
25 WATT	VP25KA	ADJUSTABLE
1 20 300	2000 6000	15K
2 25 400	2250 7000	20K
3 50 500	2500 7200	25K
4 75 750	3000 7500	
5 100 800	3500 8000	
7.5 150 1000	4000 9000	
10 200 1250	4500 10K	
15 250 1500	5000 12K	
50 WATT	VP50KA	ADJUSTABLE
1 50 500	2500 7200	25K
2 75 750	3000 7500	30K
3 100 800	3500 8000	35K
4 150 1000	4000 9000	40K
5 200 1250	4500 10K	50K
10 250 1500	5000 12K	60K
20 300 2000	6000 15K	75K
25 400 2250	7000 20K	100K
100 WATT	VK100NA	ADJUSTABLE
1 15 250	1500 15K	75K
2 25 300	2000 20K	100K
3 50 400	2500 25K	
4 100 500	3500 30K	
5 150 750	5000 40K	
10 200 1000	10K 50K	
175 WATT	VK160WA	ADJUSTABLE
1 10 250	5000 30K	
2 25 500	10K 40K	
3 50 1000	15K 50K	
4 100 1500	20K 75K	
5 150 2500	25K 100K	
225 WATT	VK200WA	ADJUSTABLE
1 10 100	500 10K	50K
2 20 150	1000 15K	75K
3 25 200	1500 20K	100K
4 50 250	2500 25K	
5 75 300	5000 30K	

Notes:

Special resistance values available.

Mounting brackets sold separately.

For specials, please consult Factory.

Series	Bracket Number
VP10FA	F-100
VP25KA	K-100
VP50KA	K-100
VK100NA	N-100
VK160WA	W-100
VK200WA	W-100

Series VPA & VKA How To Order

Series/Wattage + Resistance Value = Part Number

Example:

25 watt adjustable + 150 ohms = VP25KA-150