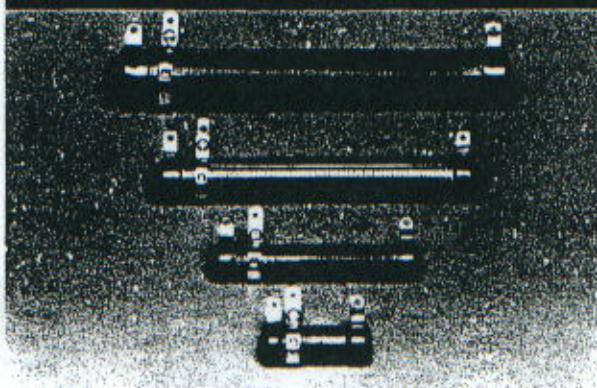


Series VPA & VKA
10, 25, 50, 100, 160-175, 200-225 Watt
Adjustable-Power, Wirewound Resistors



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

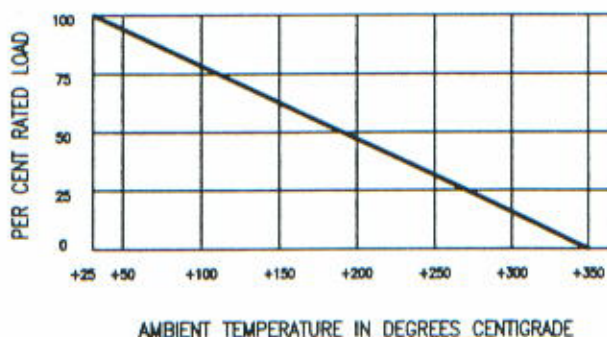
Based on 25°C free air rating

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

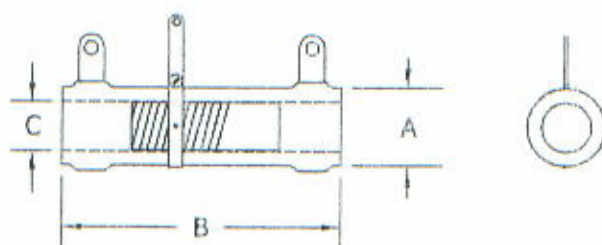
When dual wattages are shown:

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
2	25	300	1000	4000
3	50	350	1250	4500
5	75	400	1500	5000
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
2	25	400	2250	7000
3	50	500	2500	7200
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
2	75	750	3000	7500
3	100	800	3500	8000
4	150	1000	4000	9000
5	200	1250	4500	10K
10	250	1500	5000	12K
20	300	2000	6000	15K
25	400	2250	7000	20K
100 WATT	VK100NA		ADJUSTABLE	
1	15	250	1500	15K
2	25	300	2000	20K
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
2	20	150	1000	15K
3	25	200	1500	20K
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