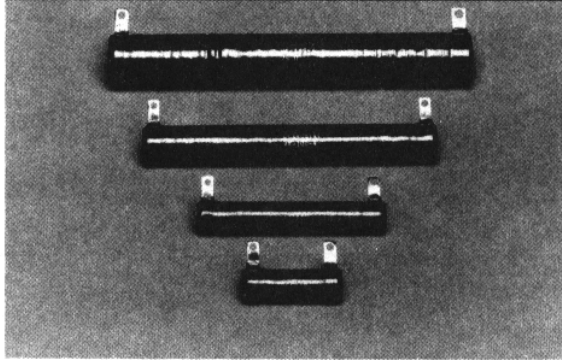


Series VP & VK
25, 50, 100, 160-175, 200-225 Watt
 Fixed Power, Wirewound Resistors



Series VP & VK Material Specifications

Coating
 Vitreous enamel

Core
 Tubular ceramic

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

Weight

VP25K	VP50K	VK100N	VK160W	VK200W
25 watt	50 watt	100 watt	160 watt	200 watt
.816 oz.	1.312 oz.	3.2 oz.	7.12 oz.	11.84 oz.
22.8 gms.	36.7 gms.	89.6 gms.	199.4 gms.	331.5 gms.

Series VP & VK Electrical Specifications

Resistance Tolerance
 ±5% standard
 Closer tolerances available.

Power Rating
 Based on 25°C free air rating

Series	Minimum Wattage	Maximum Wattage
VP25K	25	N/A
VP50K	50	N/A
VK100N	100	N/A
VK160W	160	175
VK200W	200	225

N/A = Not Applicable

Description

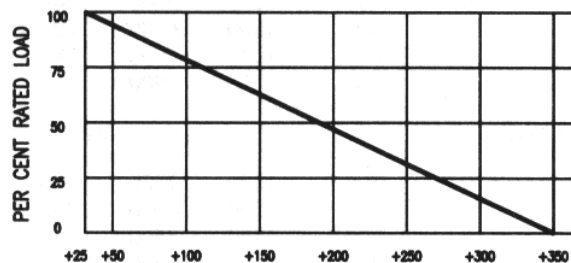
The VP and VK series are for applications requiring high power resistors. These resistors have lug terminals, which are solderable, and they can be bracket mounted. Made in accordance to Mil-R-26 standards, the VP and VK series are suitable for rugged applications.

Features

- Rugged vitreous coating
- High wattage applications
- All-welded construction
- Meets or exceeds MIL-R-26
- Non-inductive winding available

Figure 1

Series VP & VK Derating



AMBIENT TEMPERATURE IN DEGREES CENTIGRADE

Electrical Specifications continued, next page

Electrical Specifications continued

Overload

10 times rated wattage 5 seconds

Temperature Coefficient

±100 ppm/°C (Closer TC available)

Dielectric Withstanding Voltage

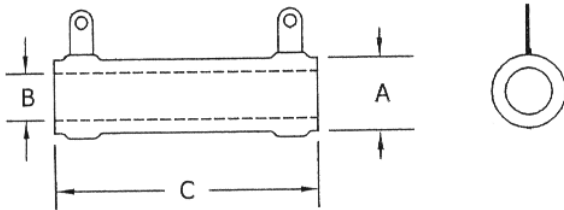
1000 Vac when dual wattage shown:

Lower wattages have max hotspot 275°

Higher wattages have max hotspot 350°

Figure 2

Series VP & VK Dimensions



	A*	B*	C*
VP25K	.562	.313	2.000
VP50K	.562	.313	4.000
VK100N	.750	.500	6.500
VK160W	----- DISCONTINUED -----		
VK200W	1.125	.750	10.500

* Maximum Dimensions

** Dimensional Tolerance: ±.0313"

Series VP & VK Standard Resistance Values

Stock Values

25 WATT		VP25K		FIXED
1	25	500	3K	15K 60K
2	50	750	3.5K	20K 70K
3	75	800	4K	25K 80K
4	100	1K	5K	30K 100K
5	150	1500	6K	35K
10	200	2K	7.5K	40K
15	250	2.5K	10K	50K

50 WATT		VP50K		FIXED
1	75	750	4K	20K 150K
2	100	800	5K	25K 175K
3	150	1K	6K	30K 200K
4	200	1.25K	7.5K	35K 225K
5	250	1.5K	8K	50K 250K
10	300	2K	10K	75K
25	400	2.5K	12K	100K
50	500	3K	15K	125K

100 WATT		VK100N		FIXED
1	25	200	1.5K	7.5K 40K
2	50	250	2K	10K 50K
3	75	300	2.5K	15K 60K
4	100	500	3K	20K 75K
5	125	750	4K	25K 100K
10	150	1K	5K	30K 200K

175 WATT		VK160W		FIXED
1	25	250	3K	20K 75K
2	50	500	5K	25K 100K
3	75	1K	7.5K	30K
4	100	1.5K	10K	40K
5	125	2K	12K	50K
10	150	2.5K	15K	60K

225 WATT		VK200W		FIXED
1	25	250	2.5K	15K 100K
2	50	500	3K	20K
3	75	750	5K	25K
4	100	1K	7.5K	30K
5	150	1.5K	10K	50K
10	200	2K	12K	75K

Note:

Special resistance values available; consult factory.

Mounting brackets sold separately.

Series Bracket Number

VP25K	K-100
VP50K	K-100
VK100N	N-100
VK160W	W-100
VK200W	W-100

Series VP & VK How To Order

Series/Wattage + Resistance Value = Part Number

Example:

25 watts at 1 ohm = VP25K-1