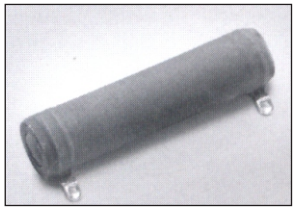
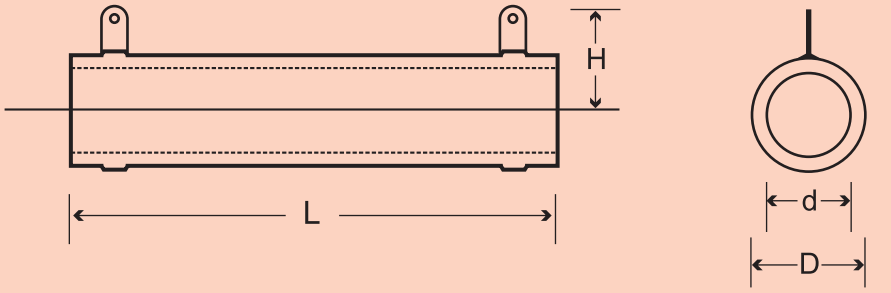
VAIBHAV RESISTORS CO. VRC

- High Power Wire Wound Resistors industrial Grade
- Most Suitable For Load banks
- Flame Proof Silicon Coated
- Super Heat dissipation
- High Stability

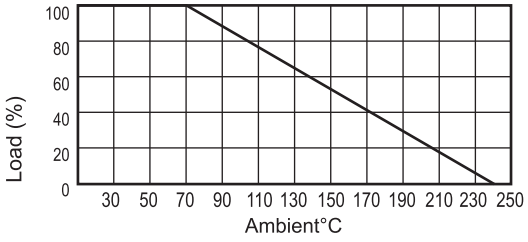




Dimensions (in mm)

Type	Watt	L ±3.00	D ±1.00	d ±1.00	Max. Ohmic Range
VSR-5	5W	26.0	10.0	6.5	10K
VSR-10	10W	45.0	13.0	8.0	30K
VSR-15	15W	45.0	15.0	9.0	40K
VSR-20	20W	52.0	16.0	9.0	50K
VSR-25	25W	65.0	16.0	9.0	50K
VSR-30	30W	75.0	16.0	9.0	50K
VSR-40	40W	83.0	22.0	14.0	80K
VSR-50	50W	102.0	22.0	14.0	100K
VSR-60	60W	122.0	22.0	14.0	120K
VSR-75	75W	150.0	25.0	15.0	150K
VSR-100	100W	150.0	30.0	20.0	150K
VSR-120	120W	165.0	30.0	20.0	150K
VSR-150	150W	200.0	30.0	20.0	200K
VSR-200	200W	250.0	30.0	20.0	200K
VSR-250	250W	275.0	30.0	20.0	200K
VSR-300	300W	305.0	38.0	25.0	200K
VSR-400	400W	305.0	43.0	35.0	200K
VSR-500	500W	325.0	55.0	42.0	200K

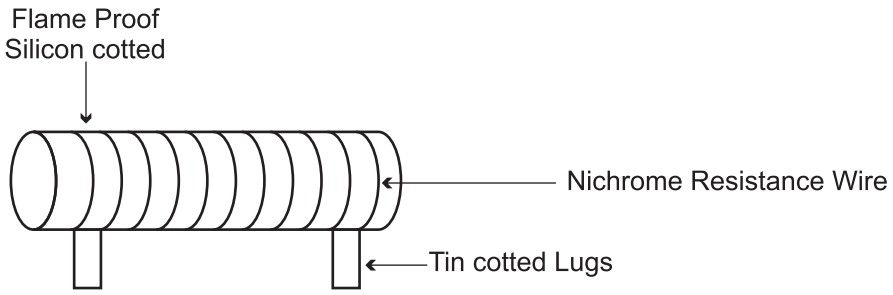
Power Derating Curve



Note :
- Closer Toleraces Available on Request
- Ohmic Value other than specified on Request
- Non Inductive Types available on Request
- Standard Mounting Brackets available
- Custom Built Mounting Brackets on Request
- Resistor Terminations are Tin Plated Copper or Brass

Note : Customised variations availanle on request.

Characteristics	Test Methods	Limits
D C Resistance	Resistors are tested with standard specified voltages for its Ohmic values to check the specified tolerance.	The Resistors shall be within specified tolerance limits.
Short Time Overload	The Resistors shall be subjected to 3 times the Rated Wattage for a duration of 5 secs.	Δ R % = ± 3.0% (+ 0.05 Ω)
Temp-Coefficient	The Resistors shall be subjected to 3 times i.e. one At Ambient & the final at Amb + 100°C. The TCR is then Calculated as : $\frac{R_2 - R_1}{R_1} \times \frac{1}{t_2 - t_1} \times 10^6 = ppm/^0c$	PPM 300 PPM For Low values TCR Exceeds
Rated Load	A Rated Continuous Working Voltage or Maximum Wkg. Voltage whichever less shall be applied to the resistors for a duration of 2 Hrs.	Δ R % = ± 2% Max
Insulation Resistance	The Insulation is measured between the terminals (Both the Terminals are Shorted) & the body of the resistor with the help of 500 V Megger.	> 1000 Meg
Resistance to Solder Heat	A Solder bath is Maintained at 350°C. The specimen leads are Subjected to the bath for a duration of 10 secs.	Δ R % = ± 1% Max
Load Life	The specimen shall be subjected to an ambient of 70°C for a duration of 1000 Hrs. The specimen shall also be loaded for full power dissipation. The duty cycle shall be 1½ Hr. On & ½Hr. Off.	Δ R % = ± 5% Max
Steady State Humidity	The shall be subjected to an amb. of 40°C with RH as 95%, for a duration of 56 days. A small DC voltage shall be so applied that the specimen shall dissipate 1% of the rated power.	Δ R % = ± 5% Max



VRC

VAIBHAV RESISTORS CO.

Factory & Office Address: Unit No. 8, Gokuldham Ltd.
Asalpha Village, Andheri - Ghatkopar Link Road,
Ghatkopar (W), Mumbai - 400 084.
Tel.: (022) 2512 9427,
Mob.: 98331 41419, 98331 41499, 95943 53450, 99678 77606
Email : vaibhavrajyaguru@gmail.com