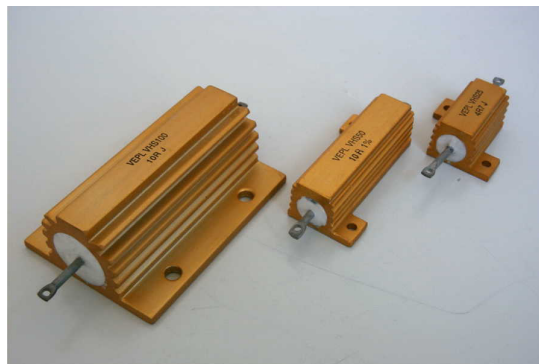


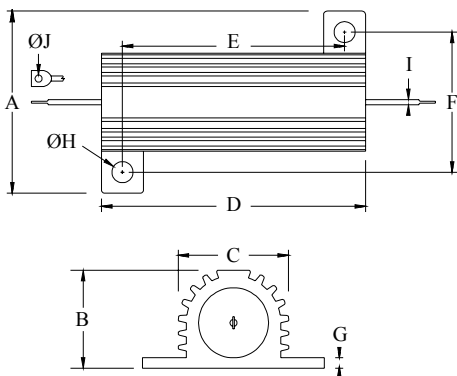
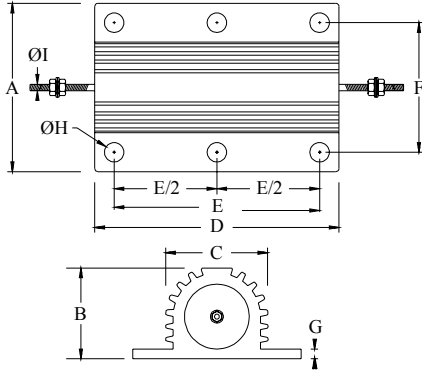
FEATURES

- * All welded construction
- * Wattages from 5 Watts to 300 Watts
- * Ohmic range from 0.01 Ohm to 100 K Ohm
- * Low inductive type available
- * Solder, cable, threaded or fast-on terminations
- * Available as a bank in an enclosure using IP standards
- * Any custom value, custom design available



CHARACTERISTICS

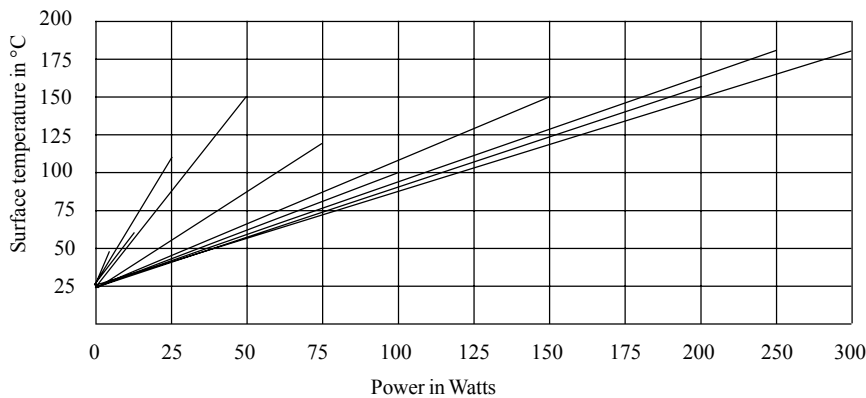
Tolerance	±0.5%, ±1%, ±2%, ±3%, ±5%, ±10%
Temperature coefficient of resistance	±200PPM/ °C (lower PPM available)
Power dissipation (rated at 25°C)	Derate linearly to 0 power at an ambient temperature of 275°C
Insulation resistance	1000 M Ohms at 500V DC
Di electric strength	2KV for 60 seconds
Load life stability	±5% (after full load dissipation for 1000 hours)
Maximum voltage	\sqrt{PR} Where P is power in Watts and R is resistance in Ohms

DIMENSIONS (mm)	Model	A±1	B±1	C±1	D±1	E±0.3	F±0.3	G±0.3	H±0.5	I±0.1	J±0.1
	VHS5	16.5	8.5	9	15	1.1	12.5	1.5	2.3	---	1.2
	VHS10	20.5	10.0	11	19	14.3	16.0	2.4	2.4	2.0	2.1
	VHS25	28.0	14.5	15	27	18.3	19.8	2.5	3.2	2.0	2.1
	VHS50	28.0	15.5	15	50	39.7	21.4	2.5	3.5	2.0	2.1
	VHS75	47	25	26	49	36	37	3.0	4.5	5.0	---
	VHS100	47	25	26	65	36	37	3.0	4.5	5.0	---
	VHS150	47	25	26	98	72	37	3.0	4.5	5.0	---
	VHS200	72	45	45	90	64	59	4.5	5.1	5.0	---
	VHS250	72	45	45	110	90	59	4.5	5.1	5.0	---
VHS300	72	45	45	128	104	59	4.5	5.1	5.0	---	

The rated power specified at an ambient temperature of 25°C and the resistor is mounted to a specific sized heat sink by applying a good thermal conductive heat sink compound between resistor and heat sink. The following data shows power ratings with and without heat sink and size of the heat sink for a particular resistor to limit the surface temperature to 200°C

Model	Watts at 25 °C		Heat sink size		Surface temp. °C	Ohmic range Ohms	Break down voltage Kilo volts
	with heat sink	without heat sink	area cm ²	thickness mm			
VHS5	5	2	60	1	40	0R01 - 2K2	1
VHS10	10	5	100	1	60	0R01 - 4K2	1
VHS25	25	12	225	1.5	110	0R01 - 10K	1
VHS50	50	20	225	3	150	0R01 - 24K	2
VHS75	75	40	300	3	120	0R10 - 39K	3
VHS100	100	50	300	3	100	0R10 - 62K	5
VHS150	150	55	375	3	150	0R10 - 100K	6
VHS200	200	60	450	3	160	0R10 - 100K	6
VHS250	250	65	750	3	180	0R10 - 100K	6
VHS300	300	75	900	3	180	0R10 - 100K	8

Power versus surface temperature



The temperature rise showing when the resistor is mounted on a standard heat sink using a proprietary heat sink compound between the resistor and heat sink

How to order

VHS50	50W	220R	J
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VEPL Series Wattage Resistance value Tolerance

D ±0.5% F ±1% G ±2% H ±3% J ±5% K ±10%

Contact factory for any other details