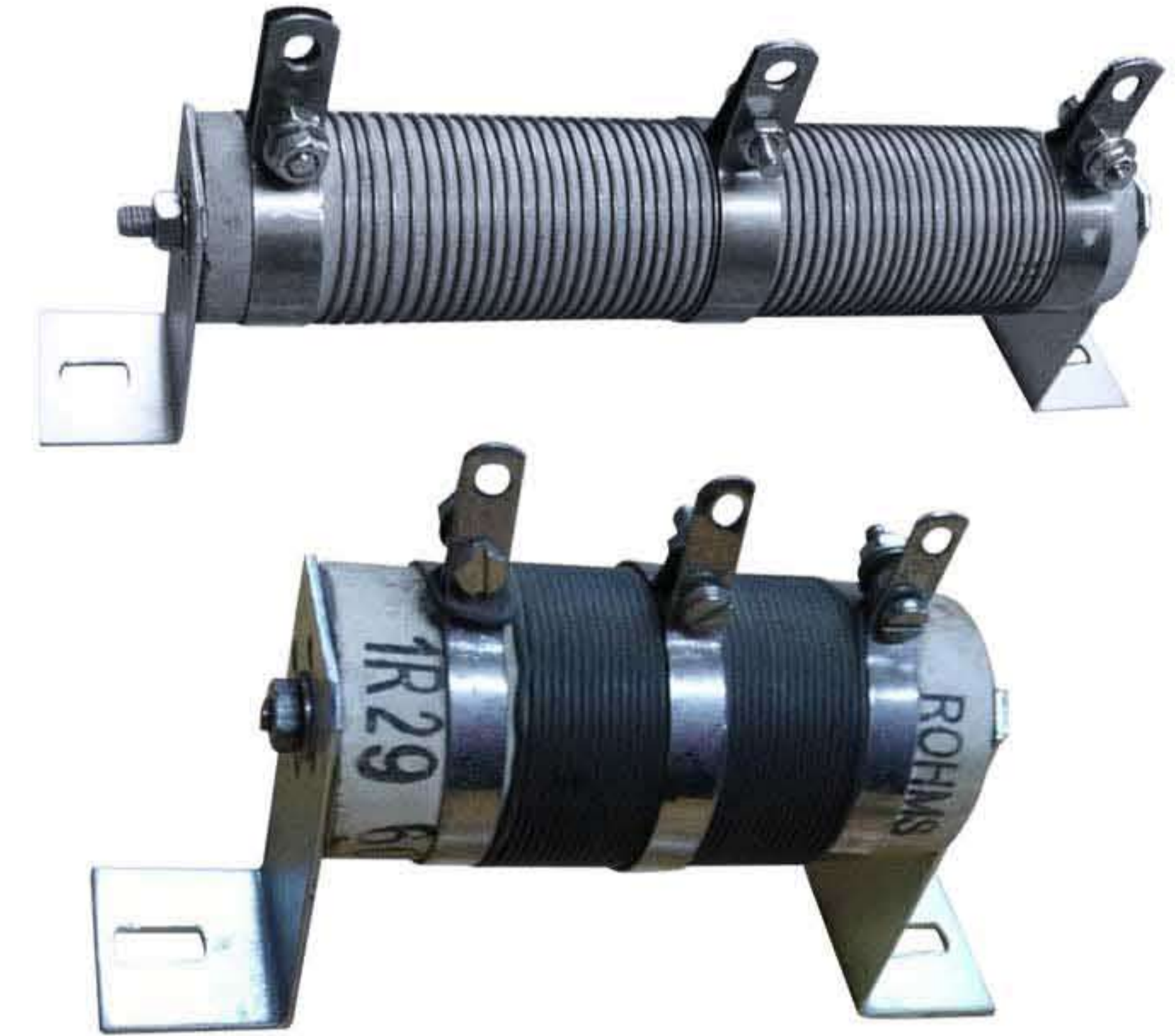


RESISTORS

These wire-wound resistors are manufactured with the highest grade Nickel Chrome and Copper Nickel alloy wires to provide mechanically uniform tension and spacing.

SALIENT FEATURES

- Spot welded joints for reliability.
- Low temperature co-efficient, low surface temperature.
- Brackets available for horizontal as well as vertical mountings.
- Exceptional stability and performance.

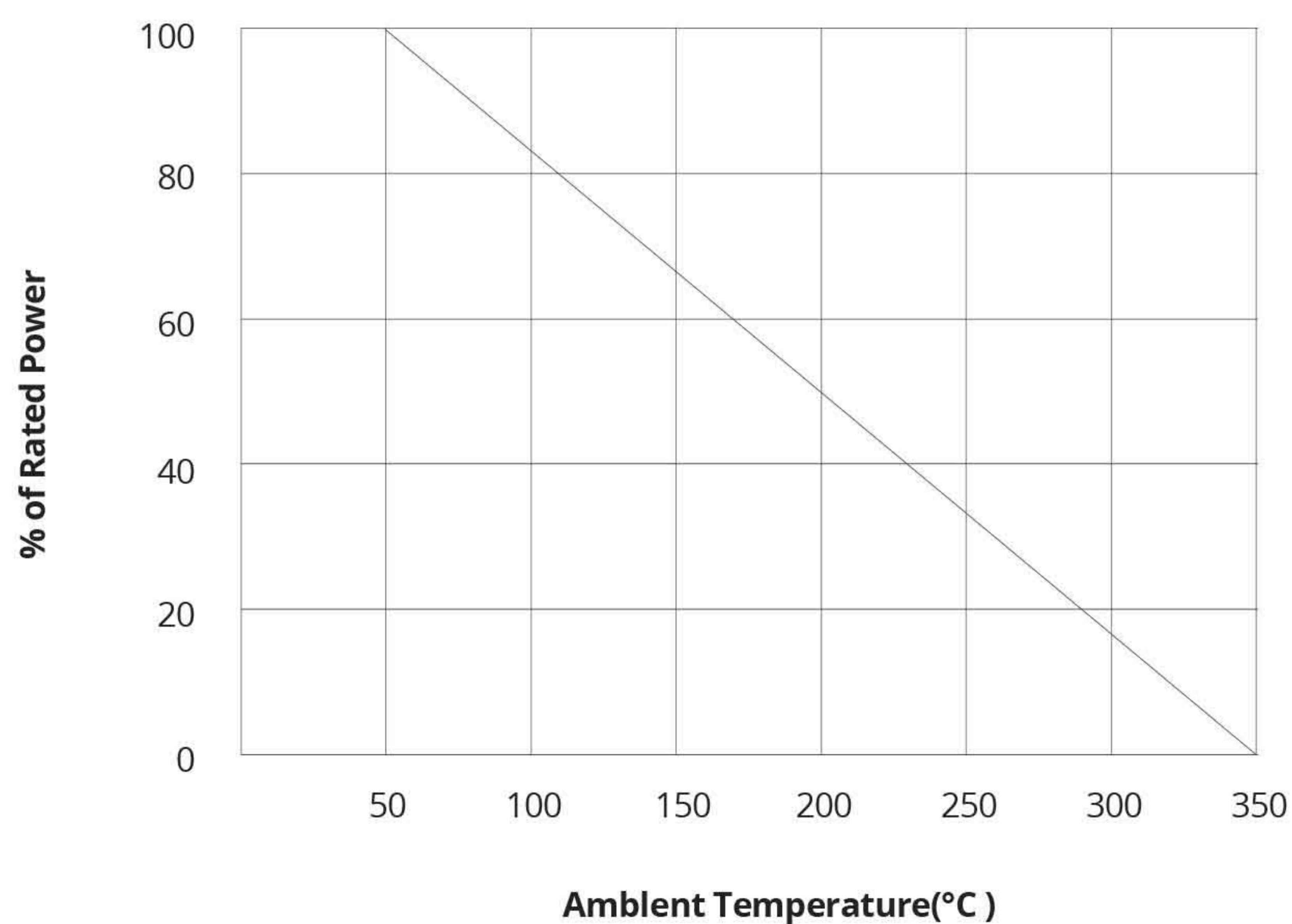


with black oxidised wire

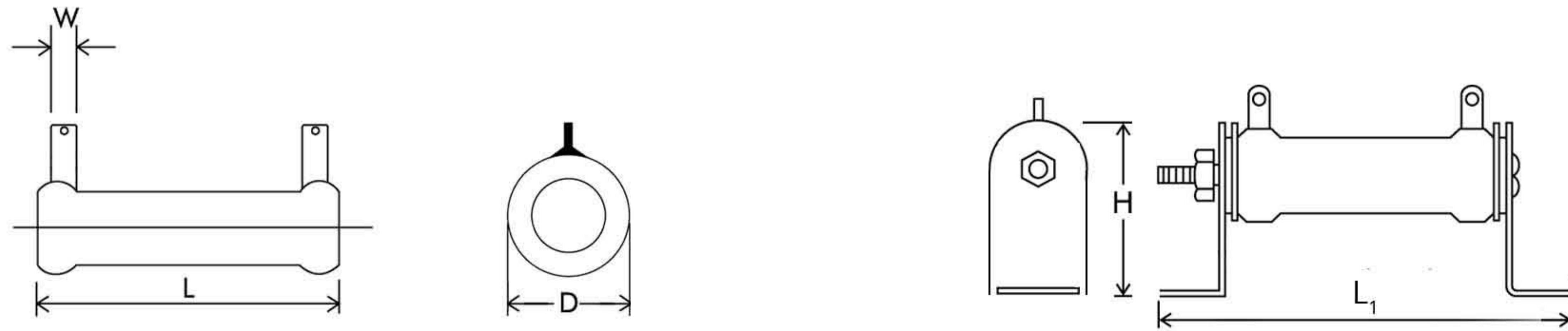
PERFORMANCE DATA

Test	Procedure	Requirements
Short Time Overload	10 X Rated power for 5 sec.	$\Delta R / R \text{ max} : \pm(2.0 + 0.05 \text{ } \Omega)$
Dielectric Withstanding Voltage	1000 VAC, from terminal to mounting hardware.	No flash over or breakdown should be observed
Endurance @ 25°C	1000hrs. Load with Pn (power nominal) 1.5 hr. ON & 0.5 hr. OFF	No visual damage $\Delta R / R \text{ max} : \pm(5.0 + 0.01 \text{ } \Omega)$
Endurance @ Upper Category Temperature	1000 hrs at 350°C with no load	No visual damage $\Delta R / R \text{ max} : \pm(5.0 + 0.01 \text{ } \Omega)$
Temperature Rise Test	Horizontally mounted, loaded with Pn	Hot spot temperature less than maximum body temperature
Temperature Coefficient	At 25 / -55/25 °C & 25/ 150/ 25 °C	Within specified limits
Insulation Resistance	V - Block method for 1 minute duration at 500 V dc	> 103 MΩ

DERATING CURVE



DIMENSIONS



FIXED AND ADJUSTABLE TYPE

Watts	Dimensions(mm)					Resistance Range
	L	W	D	L ₁	H	
25W	65	6	16	83	33	0.1E - 3K
30W	76	6	16	100	33	0.1E - 3
40W	102	6	16	125	33	0.1E - 3K
50W	100	6	20	125	33	0.1E - 3K
75W	127	7.9	25	170	40	0.1E - 3K
100W	150	9.5	30	182	50	0.1E - 3K
150W	175	9.5	34	201	60	0.1E - 3K
200W	254	9.5	33	280	60	0.1E - 5K
250W	305	9.5	30	345	60	0.1E - 5K
300W	305	9.5	38	345	60	0.1E - 5K
400W	305	9.5	50	345	75	0.1E - 5K
500W	350	9.5	50	385	75	0.1E - 5K
600W	380	9.5	76	420	75	0.1E - 5K
750W	330	9.5	76	370	100	0.1E - 5K
1000W	407	9.5	76	445	100	0.1E - 5K
1250W	457	9.5	76	495	103	0.1E - 5K
1500W	457	9.5	90	510	130	0.1E - 5K