



대전력 제동 저항기 PRH/PRV 60W – 500W

The PRV(V=Vertical) & PRH(H=Horizontal) models are metal-clad, wire-wound, high-power resistors designed for industrial and other applications. Our extruded aluminum housing provides rugged and strong protection. These models are available with flying leads or tab terminals and can be ordered with inductive or non-inductive windings. Most common applications for these models are motor drives, braking and snubber applications and power sources for industrial equipment.

General Specifications

Model	Wattage with Heat Sink	Resistance Range (Ω)		Resistance Tolerance
		Inductive	Non-Inductive	
PRV/ PRH 60	60	0.1 – 270	0.1 – 5.6	$\pm 0.5(D)$ $\pm 1.0(F)$ $\pm 2.0(G)$ $\pm 5.0(J)$ $\pm 10(K)$
PRV/ PRH 80	80	0.1 – 910	0.1 – 110	
PRV/ PRH 100	100	0.1 – 1.1K	0.1 – 240	
PRV/ PRH 120	120	0.1 – 1.3K	0.1 – 300	
PRV/ PRH 150	150	0.1 – 1.6K	0.1 – 390	
PRV/ PRH 200	200	0.1 – 2.2K	0.1 – 1K	
PRV/ PRH 300	300	0.1 – 2.7K	0.1 – 1.5K	
PRV/ PRH 400	400	0.1 – 4.3K	0.1 – 2.2K	
PRV/ PRH 500	500	0.1 – 6.8K	0.1 – 3K	

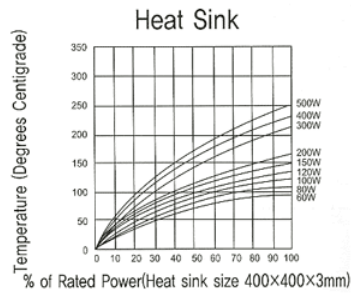
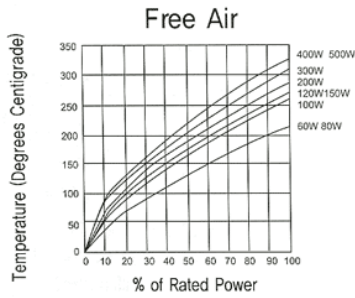
Also available in extended ohmic ranges of 1m Ω to 750K Ω

Characteristics

Values in [] mean change in Ω after test

Temperature Range	-55 $^{\circ}C$ ~+200 $^{\circ}C$
Insulation Resistance	20M Ω minimum
Dielectric Strength	Available options : AC 1500V, 3500V, 4500V, 5400V(Max. leakage current : 2mA)
Temp. Coefficient	± 260 ppm/ $^{\circ}C$ maximum
Short Time Overload	$\pm [2\%+0.05\Omega]$ 10 x wattage rating -5 seconds
Moisture Resistance	$\pm [3\%+0.05\Omega]$ 40 $^{\circ}C$, 95% RH, DC100V case to terminal(500hrs.)
Thermal Shock	$\pm [2\%+0.05\Omega]$ Wattage rating - 30 minutes, -25 $^{\circ}C$ -15minutes
Vibration	$\pm [1\%+0.05\Omega]$ 10Hz - 55Hz - 10Hz (1minute) 2hrs, each direction
Moisture Load Life	$\pm [3\%+0.05\Omega]$ 40 $^{\circ}C$, 95%RH, 0.1x wattage rating, 1.5hrs-on, 30minute-off, 500hrs.
Load Life	$\pm [5\%+0.05\Omega]$ Wattage rating 1.5hrs. -on, 30minutes-off, 500hrs.

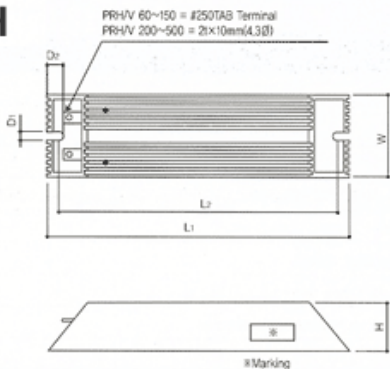
Surface Temperature Increase Versus Power Load



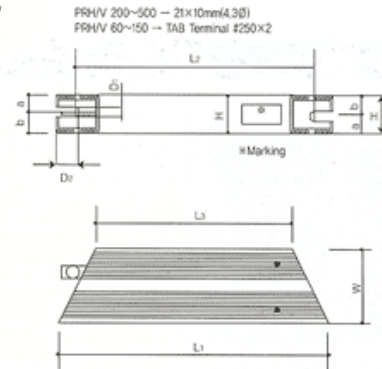
Dimensions

Model	Dimension								Weight(g)		Flying Leads				
	L1±2	L2±2	L3±2	W±0.5	H±0.5	D1±0.5	D2±0.5	a	b	PRH	PRV	8 mm ²	5.5 mm ²	2 mm ²	1.25 mm ²
PRV/ PRH 60	100	87	60	41	22	4.3	8.65	10	12	110	113	X	X	0.10Ω ~ 1Ω~	
PRV/ PRH 80	150	137	110	41	22	4.3	8.65	10	12	195	189	X	X		
PRV/ PRH 100	165	152	125	41	22	4.3	8.65	10	12	216	215	X	X		
PRV/ PRH 120	182	169	142	41	22	4.3	8.65	10	12	245	241	X	X		
PRV/ PRH 150	210	197	170	41	22	4.3	8.65	10	12	283	290	X	X	0.99Ω	
PRV/ PRH 200	165	146	125	60	30	5.3	12	13	17	485	447	0.10Ω	1Ω		
PRV/ PRH 300	215	196	175	60	30	5.3	12	13	17	600	600	~	~	5Ω	X
PRV/ PRH 400	265	246	225	60	30	5.3	12	13	17	770	780	~	~		X
PRV/ PRH 500	335	316	295	60	30	5.3	12	13	17	990	980	0.99Ω	4.99Ω		X

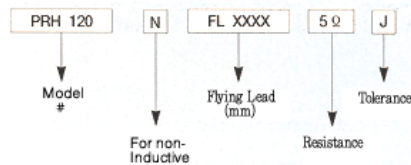
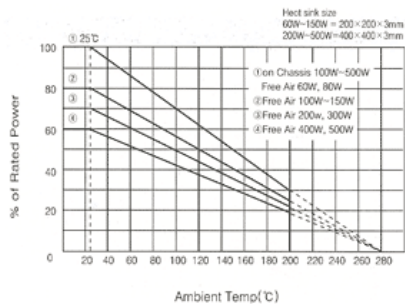
PRH



PRV



Derating Curve and Ordering Procedure Example



If you require flying lead resistors please add 'FL' next to the model number or non-inductive symbol 'N'. Also add the length of the flying lead in millimeter.

UNI RESISTORS (UNIKOR)