



SKU from 1852308 to 1852365 (See page 4)

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# Datasheet

## RS Por Metal Clad Braking Resistor



### Product details :

This range of metal encased braking Resistors designed for direct heat sink attachment.

- High Power density.
- Heat Sink mountable for increased power dissipation.
- UL approved cables.
- RoHS Compliant

### Test Specifications :

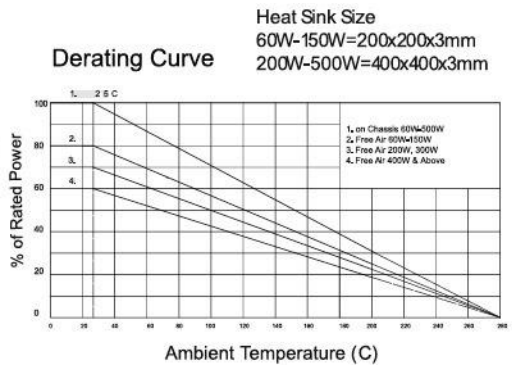
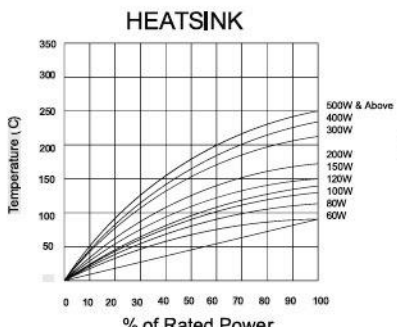
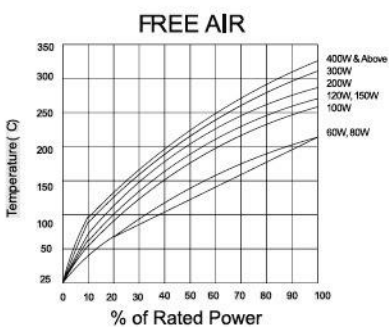
Characteristics	Condition	Compliance
Tolerance	For values less than 1 $\Omega$ For values Greater than 1 $\Omega$	$\pm 5\%$ to $\pm 10\%$ $\pm 1\%$ to $\pm 5\%$
Temperature Co- Efficient		$\pm 200$ PPM/ $^{\circ}$ C Max
Insulation Resistance	Dry/Normal	20M $\Omega$ Min
Endurance	1.5Hrs ON, 1.5Hrs OFF for 1000 Hrs @ Room Temperature	$\Delta R < \pm(5\% + 0.05\Omega)$
Short Term OverLoad	$\leq 60$ W 5 x Rated Power for 5 Sec $> 60$ W 10 x Rated Power for 5 Sec	$\Delta R < \pm(2\% + 0.05\Omega)$
Operating Temperature	-25 $^{\circ}$ C to 250 $^{\circ}$ C	
Dielectric Strength	1500VAC rms for 1 minute	No Breakdown or flashover
Humidity	40 $^{\circ}$ C, 90% Rh, 240Hrs	$\Delta R < \pm(3\% + 0.05\Omega)$



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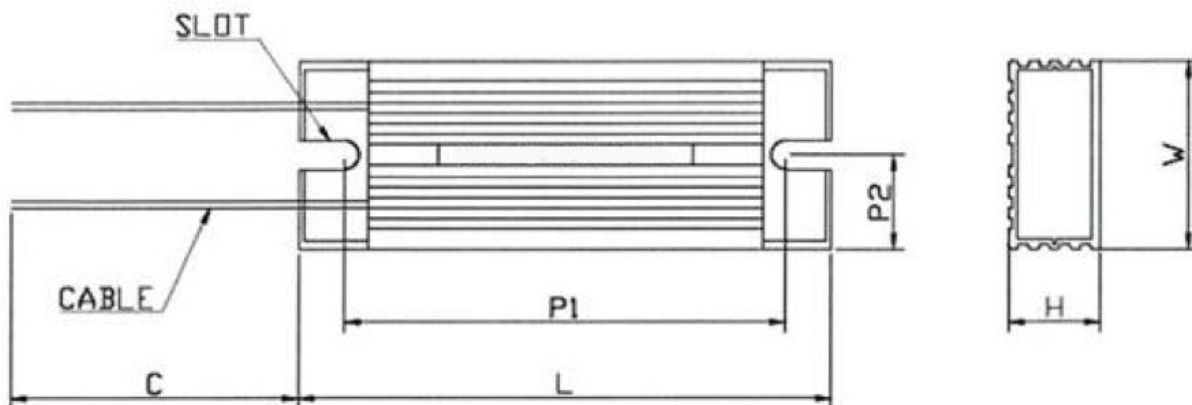
**Specifications :**

Series	Power Rating on Std Heatsink (W)	Power Rating with No Heat Sink	Max Surface Temperature on Heatsink °C
R60	60	55	230
R80	80	65	230
R100	100	75	230
R120	120	90	250
R150	150	100	250
R200	200	110	270
R300	300	155	270
R400	400	200	270
R500	500	270	270
R600	600	300	270
R800	800	330	270
R1000	1000	450	270



Dimensions mm:

Series	Resistance Range	L	W	H	C	P1	p2
R60	0.2Ω - 20Ω	115	40	20	290	100	20
R80	0.5Ω - 1KΩ	140	40	20	290	125	20
R100	1Ω - 1KΩ	190	40	20	290	150	20
R120	6Ω - 1KΩ	215	40	20	290	175	20
R150	6Ω - 1KΩ	165	40	30	290	200	30
R200	0.5Ω - 1KΩ	190	60	30	290	150	30
R300	0.5Ω - 1.5KΩ	215	60	30	290	200	30
R400	1.5Ω - 2KΩ	265	60	30	290	250	30
R500	1.5Ω - 2KΩ	335	60	30	290	320	30
R600	1.5Ω - 2KΩ	335	60	30	290	320	30
R800	2Ω - 2KΩ	400	60	30	290	385	30
R1000	2Ω - 2KΩ	400	60	30	290	385	30



RS Pro SKU	Power Rating w/ Heatsink (W)	Rated Resistance Value
1852308	60	2R2
1852309	60	10R
1852310	120	220R
1852311	120	10R
1852312	120	47R
1852314	120	33R
1852315	200	22R
1852316	200	100R
1852317	200	47R
1852318	200	1R
1852319	300	47R
1852320	300	2R2
1852321	300	15R
1852322	300	3R3
1852323	300	100R
1852324	300	33R
1852325	300	1R5
1852326	300	220R
1852327	400	10R
1852328	400	100R
1852330	400	47R
1852331	400	22R
1852332	500	10R
1852333	500	100R
1852334	500	22R
1852336	500	220R
1852337	500	150R
1852338	500	68R
1852339	500	3R3
1852340	500	33R
1852342	500	4R7
1852343	500	47R
1852344	500	470R
1852345	600	2R2
1852346	600	10R
1852347	600	330R
1852348	600	47R
1852349	600	22R
1852350	600	100R
1852351	600	27R
1852352	800	10R
1852353	800	100R
1852354	800	22R
1852355	800	220R
1852356	800	47R
1852358	1000	10R
1852359	1000	100R
1852360	1000	47R
1852361	1000	470R
1852362	1000	22R
1852364	1000	220R
1852365	1000	1K