



DYNAMIC BRAKING RESISTORS | ODBR Series

ODBR Series are braking resistors in an Aluminium housing. These resistors are low priced and small in size. These offer excellent load life stability. Power dissipation of up to 1000W is available as a standard catalogue product in this type of braking resistors. Higher wattage can be designed & supplied on request. This series is RoHs compliant.



OPTIONAL FEATURES

1. Thermal cut out can be provided on request
2. Vertical mounting can also be provided
3. Stacking solution available

GENERAL SPECIFICATIONS

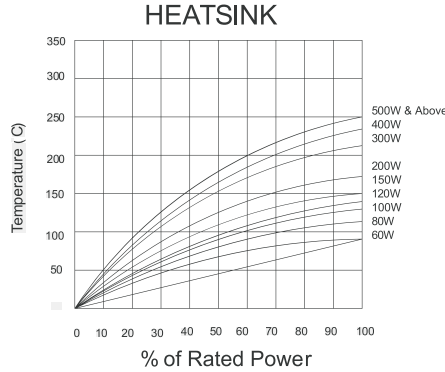
		Change in R value if applicable
Temperature Range	-55°C to 200°C	
Insulation Resistance	20MΩ minimum	
Dielectric Strength	1500Vac RMS	
Temperature Coefficient	±200 ppm/°C maximum	
Short Time Overload	≤ 60W - 5x power rating for 5 sec	
	>60W - 10x power rating for 5 sec	± [2% + 0.05 Ω]
Humidity	40°C, 90% Rh, 240 hours	± [3% + 0.05 Ω]
Load Life	Power rating, 1.5 hours on, 30 minutes off, 500 hours	± [5% + 0.05 Ω]



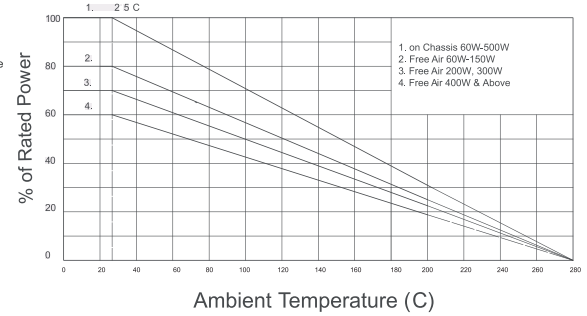
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ELECTRICAL SPECIFICATIONS

Surface Temperature Increase Versus Power Load



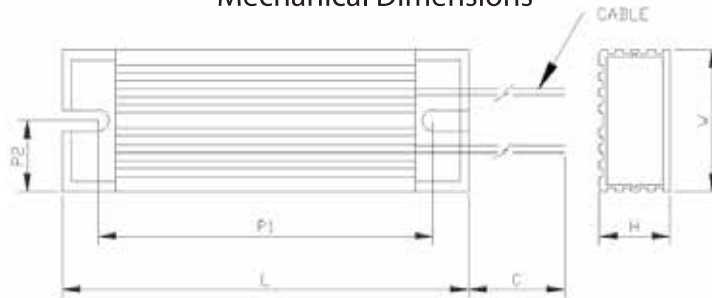
Derating Curve



Heat Sink Size
60W-150W=200x200x3mm
200W-500W=400x400x3mm

MECHANICAL SPECIFICATIONS

Mechanical Dimensions



Series	Max. Continuous Power (W) (On Heatsink)	Max. Continuous Power (W) (Without Heatsink)	Max. Surface Temp on Heatsink	R Value RANGE (Ohms)	DIMENSIONS					
					L	W	H	C	P1	P2
ODBR 60	60	55	230	0.2 to 20	115	40	20	200	100	20
ODBR 80	80	65	230	0.5 to 1k	140	40	20	200	125	20
ODBR 100	100	75	230	1 to 1k	165	40	20	200	150	20
ODBR 120	120	100	250	6 to 1k	190	40	20	200	175	20
ODBR 150	150	100	250	6 to 1k	215	40	20	200	200	20
ODBR 200	200	110	270	0.5 to 1k	165	60	30	300	150	30
ODBR 300	300	155	270	0.5 to 1.5k	215	60	30	300	200	30
ODBR 400	400	200	270	1.5 to 2k	265	60	30	300	250	30
ODBR 500	500	270	270	1.5 to 2k	335	60	30	300	320	30
ODBR 600	600	300	270	1.5 to 2k	335	60	30	300	320	30
ODBR 800	800	330	270	2 to 2k	400	60	30	300	385	30
ODBR1000	1000	450	270	2 to 2k	400	60	30	300	385	30

HIGHER WATTAGES CAN BE OFFERED ON ENQUIRY



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