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METAL CLAD
BRAKING RESISTOR

HABR
SERIES

- Non Inductive types available
- Termination style can be UL Approved Cables or
- Flat terminals for screw fixing
- Custom terminations & Vertical mounting arrangements possible
- Thermal cutout can be provided on request
- Stacking solution available

As per AEC-Q200

Pb-free RoHS COMPLIANT

METAL CLAD
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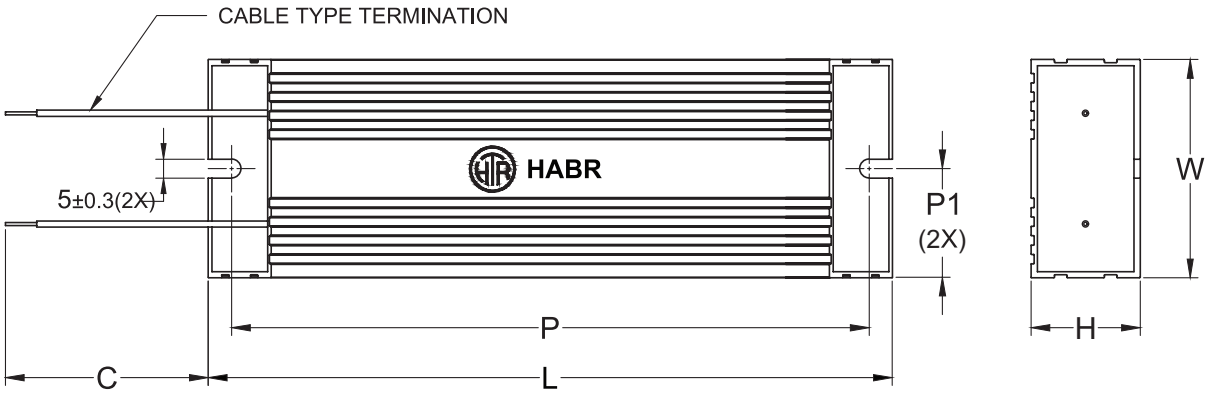
PHYSICAL CONFIGURATION



DIMENSIONAL TABLE (mm)

HTR Type	Max. Continuous Power (W) (on Heat sink)	Max. Continuous Power (W) (W/0 Heat sink)	Max. Surface Temperature on Heat sink	Resistance Range	L±1	W±1	H±1	C±1	P±1	P1±1
HABR60	60	55	230	0.2Ω - 20Ω	115	40	20	290	100	20
HABR80	80	65	230	0.5Ω - 1KΩ	140	40	20	290	125	20
HABR100	100	75	230	1Ω - 1KΩ	165	40	20	290	150	20
HABR120	120	90	250	6Ω - 1KΩ	190	40	20	290	175	20
HABR150	150	100	250	6Ω - 1KΩ	215	40	20	290	200	20
HABR200	200	110	270	0.5Ω - 1KΩ	165	60	30	290	150	30
HABR300	300	155	270	0.5Ω - 1.5KΩ	215	60	30	290	200	30
HABR400	400	200	270	1.5Ω - 2KΩ	265	60	30	290	250	30
HABR500	500	270	270	1.5Ω - 2KΩ	335	60	30	290	320	30
HABR600	600	300	270	1.5Ω - 2KΩ	335	60	30	290	320	30
HABR800	800	330	270	2Ω - 2KΩ	400	60	30	290	385	30
HABR1000	1000	450	270	2Ω - 2KΩ	400	60	30	290	385	30

ELECTRICAL SPECIFICATIONS

Characteristics	**Condition**	**Compliance**
Tolerance	For Values less than 1Ω For Values greater than 1Ω	± 5% to ±10% ± 1% to ±10%
Temperature Co-efficient		±200 PPM/°C max
Insulation Resistance	Dry/Normal	20MΩ min.
Endurance	1.5Hrs ON, 0.5Hrs OFF for 500Hrs @Room T emperature	ΔR< ±(5% + 0.05Ω)
Short Term Overload	≤60W - 5 x Rated Power for 5sec >60W - 10 x Rated Power for 5 sec	ΔR< ±(2% + 0.05Ω)
Operating Temperature	-25°C to 250°C	
Humidity	40°C, 90% Rh, 240Hrs	ΔR< ±(3% + 0.05Ω)
Dielectric Strength	1500VAC rms for 1minute	No Breakdown or Flashover

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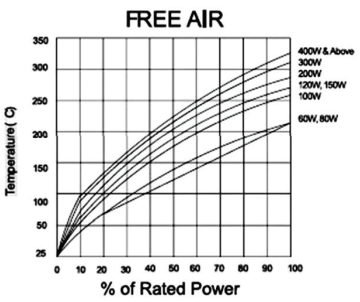
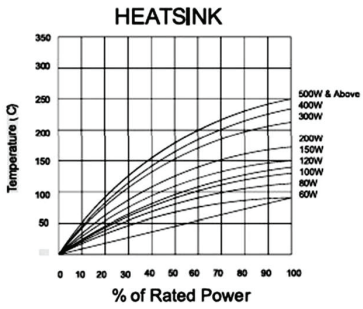
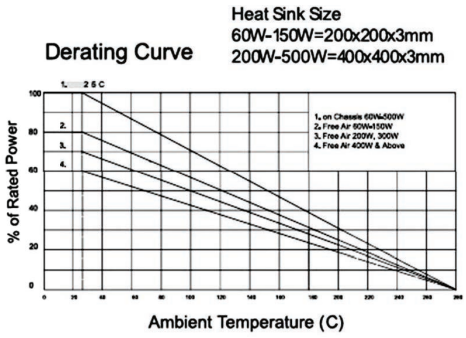
SURFACE TEMPERATURE INCREASE V/S POWER LOAD AND POWER DERATING CURVE







ORDERING INFORMATION

SERIES	TYPE	PACKING	RESISTANCE VALUE	TOLERANCE	MARKING
HABR	HABR1000	BULK	100R	J (5%)	HTR LOGO HABR1000 100R J Date Code

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