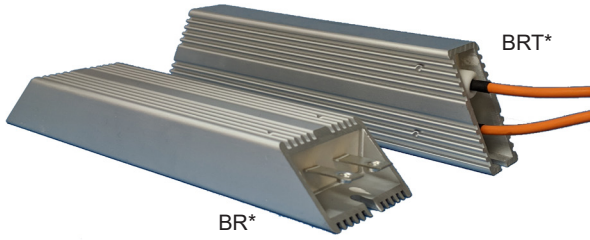


BR Series

High Power Metal Clad Braking Resistors



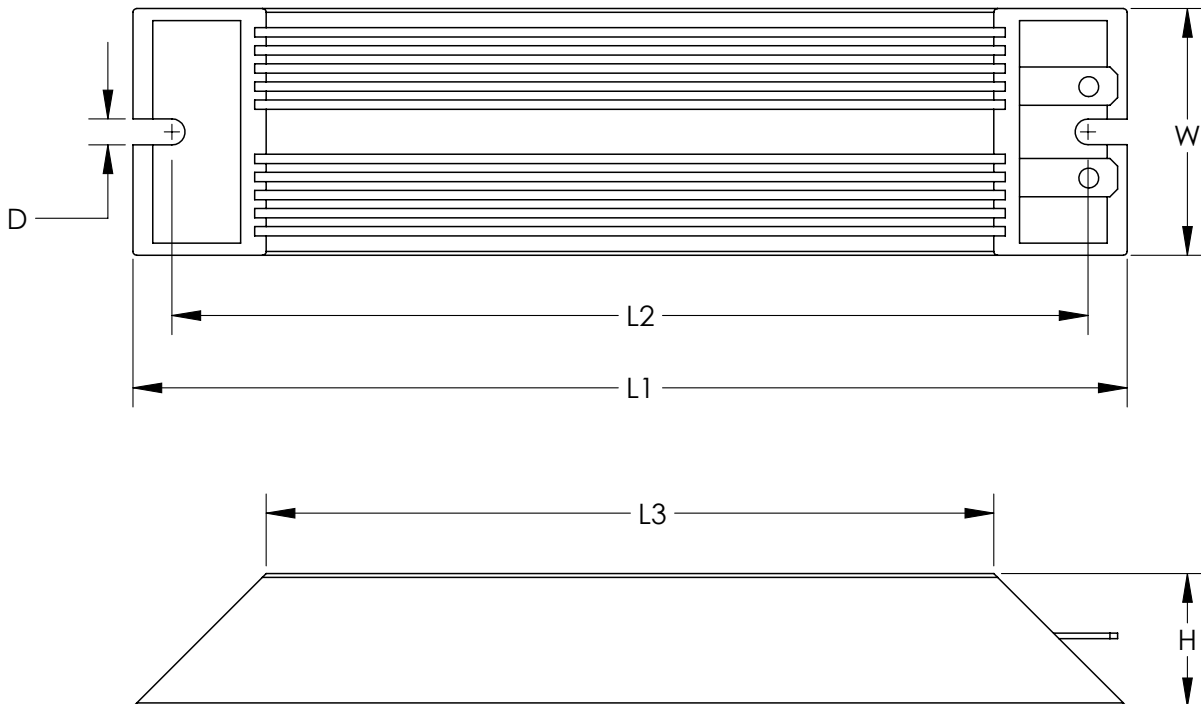
*Shown with optional terminations

- Wirewound Technology
- Power ratings from 60 to 500 watts
- Resistance range of 0.1Ω to 1KΩ
- Non-inductive winding available
- Tolerances of 1%, 5%, or 10%
- Compact Packaging

BR (FLAT) SPECIFICATIONS

Type	Power Rating (watts)*		Resistance Range (Ω)		Dimensions - Inches (mm)					
	Heatsink	Free Air	Standard	Non-inductive	L ₁ ± 0.78 (2.0)	L ₂ ± 0.78 (2.0)	L ₃ ± 0.78 (2.0)	W ±0.020 (0.5)	H ±0.020 (0.5)	D ±0.020 (0.5)
BR60	60	50	0.1 - 1K	10 - 100	3.94 (100)	3.43 (87)	2.36 (60)	1.61 (41)	0.87 (22)	0.17 (4.3)
BR80	80	64	0.1 - 1K	10 - 100	5.91(150)	5.39 (137)	4.33 (110)	1.61 (41)	0.87 (22)	0.17 (4.3)
BR100	100	80	0.1 - 1K	10 - 100	6.49 (165)	5.98 (152)	4.92 (125)	1.61 (41)	0.87 (22)	0.17 (4.3)
BR120	120	96	0.1 - 1K	10 - 100	7.17 (182)	6.65 (169)	5.59 (142)	1.61 (41)	0.87 (22)	0.17 (4.3)
BR150	150	120	0.1 - 1K	10 - 100	8.27 (210)	7.76 (197)	6.69 (170)	1.61 (41)	0.87 (22)	0.17 (4.3)
BR200	200	140	0.1 - 1K	10 - 100	6.49 (165)	5.75 (146)	4.92 (125)	2.36 (60)	1.18 (30)	0.21 (5.3)
BR300	300	210	0.1 - 1K	10 - 100	8.46 (215)	7.72 (196)	6.89 (175)	2.36 (60)	1.18 (30)	0.21 (5.3)
BR400	400	240	0.1 - 1K	10 - 100	10.43 (265)	9.69 (246)	8.86 (225)	2.36 (60)	1.18 (30)	0.21 (5.3)
BR500	500	300	0.1 - 1K	10 - 100	13.19 (335)	12.44 (316)	11.62 (295)	2.36 (60)	1.18 (30)	0.21 (5.3)

*Power rating note: Stated power rating is dependent on the resistor being mounted to a panel or heatsink of adequate mass to prevent the resistor surface from exceeding 250°C.



Terminals = 0.25 inch (6.35mm) fast-on

BR Series

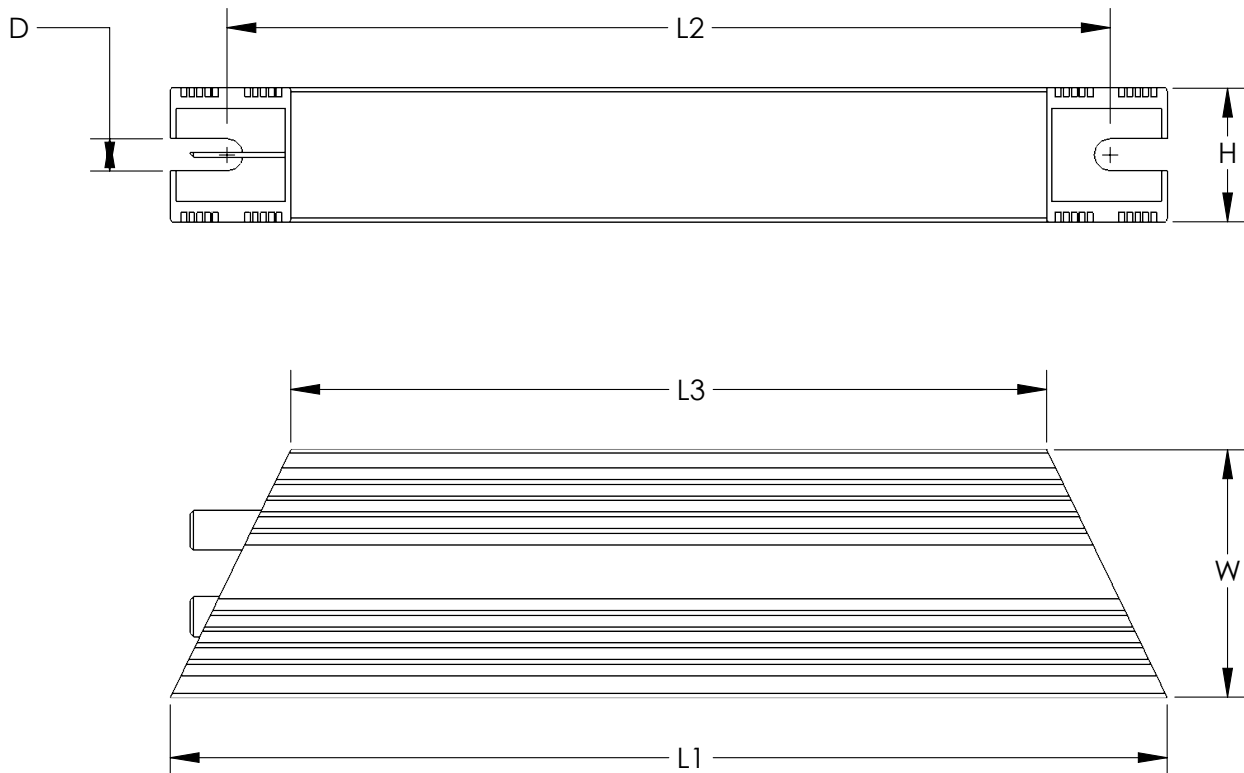
High Power Metal Clad Braking Resistors



BRT (TALL) SPECIFICATIONS

Type	Power Rating (watts)*		Resistance Range (Ω)		Dimensions - Inches (mm)					
	Heatsink	Free Air	Standard	Non-inductive	L_1 ± 0.78 (2.0)	L_2 ± 0.78 (2.0)	L_3 ± 0.78 (2.0)	W ± 0.020 (0.5)	H ± 0.020 (0.5)	D ± 0.020 (0.5)
BRT60	60	50	0.1 - 1K	10 - 100	3.94 (100)	3.43 (87)	2.36 (60)	1.61 (41)	0.87 (22)	0.17 (4.3)
BRT80	80	64	0.1 - 1K	10 - 100	5.91 (150)	5.39 (137)	4.33 (110)	1.61 (41)	0.87 (22)	0.17 (4.3)
BRT100	100	80	0.1 - 1K	10 - 100	6.49 (165)	5.98 (152)	4.92 (125)	1.61 (41)	0.87 (22)	0.17 (4.3)
BRT120	120	96	0.1 - 1K	10 - 100	7.17 (182)	6.65 (169)	5.59 (142)	1.61 (41)	0.87 (22)	0.17 (4.3)
BRT150	150	120	0.1 - 1K	10 - 100	8.27 (210)	7.76 (197)	6.69 (170)	1.61 (41)	0.87 (22)	0.17 (4.3)
BRT200	200	140	0.1 - 1K	10 - 100	6.49 (165)	5.75 (146)	4.92 (125)	2.36 (60)	1.18 (30)	0.21 (5.3)
BRT300	300	210	0.1 - 1K	10 - 100	8.46 (215)	7.72 (196)	6.89 (175)	2.36 (60)	1.18 (30)	0.21 (5.3)
BRT400	400	240	0.1 - 1K	10 - 100	10.43 (265)	9.69 (246)	8.86 (225)	2.36 (60)	1.18 (30)	0.21 (5.3)
BRT500	500	300	0.1 - 1K	10 - 100	13.19 (335)	12.44 (316)	11.62 (295)	2.36 (60)	1.18 (30)	0.21 (5.3)

*Power rating note: Stated power rating is dependent on the resistor being mounted to a panel or heatsink of adequate mass to prevent the resistor surface from exceeding 250°C.



Terminals = 0.25 inch (6.35mm) fast-on

Ordering Information

Part Description: Part Type - Resistance - Tolerance

Example: BRT200 10 OHM 5%

BR Series

High Power Metal Clad Braking Resistors



Environmental Specifications BR / BRT	
Operating Temperature Range	-55°C to 200°C
TCR	< ±260ppm maximum
Dielectric Withstanding Voltage	2500 VAC
Insulation Resistance	20MΩ minimum
Short Time Overload	±2%+0.05Ω - 10 times rated power for 5 seconds
Moisture Resistance	±3%+0.05Ω 40°C, 95% RH, 100Vdc case to terminal, 500 hours
Load Life	±5%+0.05Ω 90 minutes rated power, 30 minutes off, 500 hours
Thermal Shock	±2%+0.05Ω 30 minutes rated power, 15 minutes -25°C
Vibration	±1%+0.05Ω 10Hz - 55Hz - 10Hz (1 minute) 2 hours each direction
Moisture Load Life	±3%+0.05Ω 40°C, 95% RH, 90 minutes 10% rated power, 30 minutes off 500 hours
Terminals	Standard: 0.25 inch (6.35mm) fast-on Optional: M4 tap or flying lead terminations (contact factory)

