BRH/BRV

RoHS COMPLIANT

High Power Braking Resistor [Preliminary]

The BRV/BRH series of high-power metal-clad wire-wound resistors is tailored for industrial high-power applications and serves as a dump resistor for wind turbines. These models are specifically engineered to handle overload pulses and can be optionally equipped with a thermostat. Common applications for these resistors include motor drives, braking and snubber applications, as well as power sources for industrial equipment.

GENERAL SPECIFICATIONS

Model	Rated Power @25C [W]	* Pulse Power [Kw]				*Resistance range[Ω]	Tolerance [%]
		*Duty 5 Sec	*Duty 10 Sec	*Duty 20 Sec	*Duty 40 Sec		
BRV/BRH4000	1400	71	47	32	23	0.5 ~ 150	J[±5%] K[±10%]
BRV/BRH4800	1800	120	75	49	34	0.7 ~ 170	
BRV/BRH6600	2100	150	93	61	42	0.8 ~ 180	
BRV/BRH9600	2600	210	130	83	57	1.0 ~ 200	
BRV/BRH12800	3000	260	160	100	69	1.5 ~ 220	
BRV/BRH14400	3400	350	210	130	88	2.0 ~ 240	

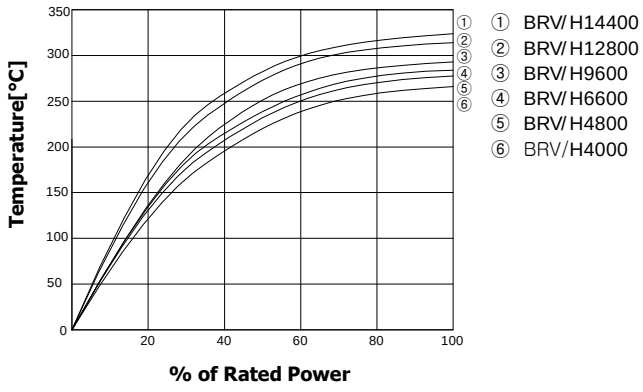
*** One Single square pulse every 1800 Sec (square pulse = ⎍)**

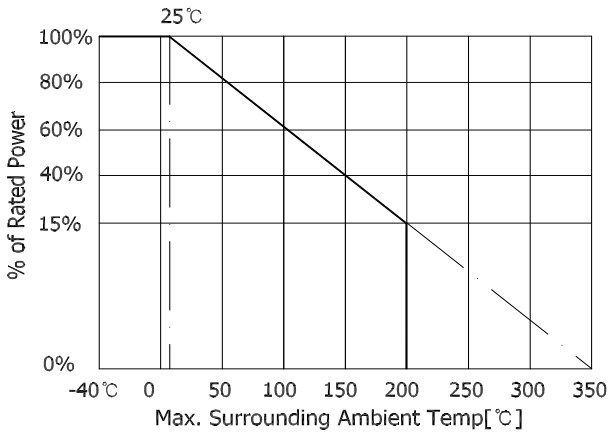
CHARACTERISTICS

Test	Condition
Max.Surface Temperature	+350℃
Insulation Resistance	20MΩ minimum
Dielectric Strength	Available options : AC1500V for 1minute, Max leakage current : 2mA
Working Voltage	600VAC
Temperature Coefficient	Max. ± 260ppm/C
Short Time Overload	± [5%+0.05Ω] 10 X Power rating - in 5~10seconds

SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD & DERATING CURVE

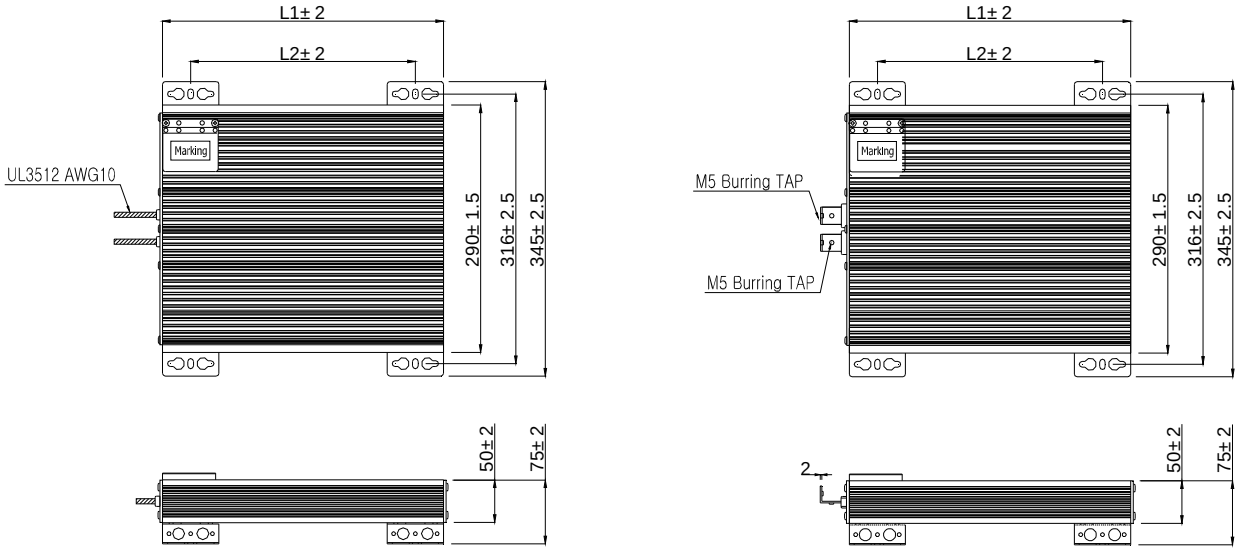
Free Air



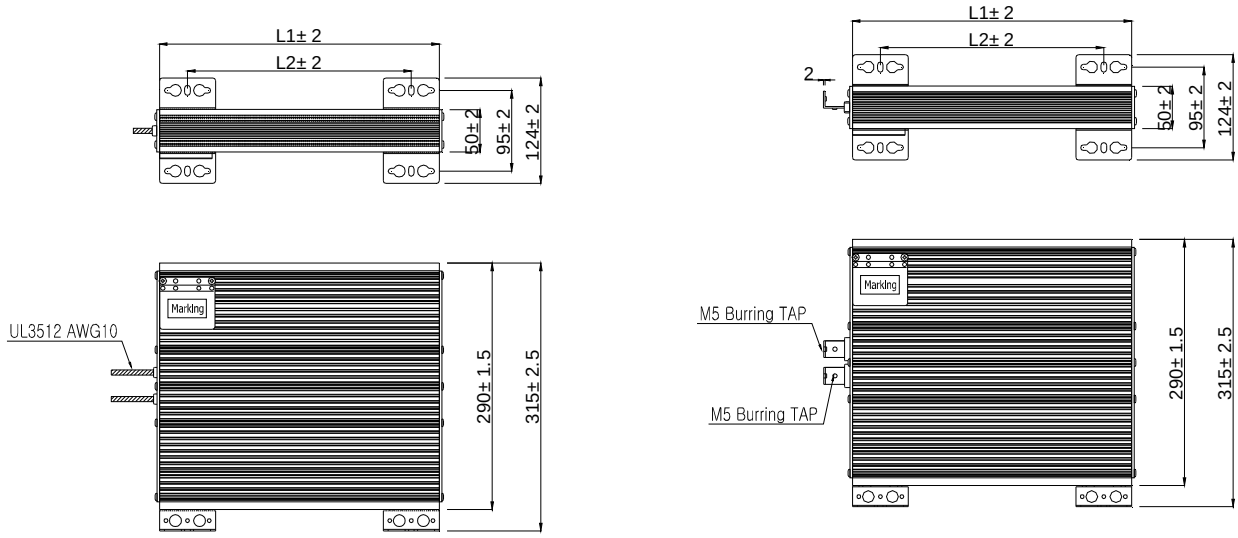


DIMENSIONS[mm]

BRH Dimension

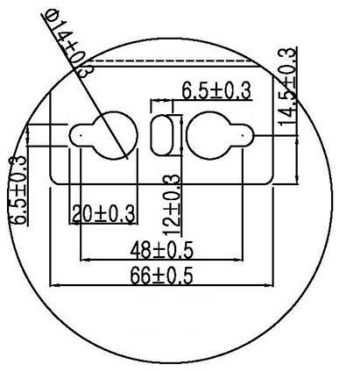


BRV Dimension



LENGTH / SCREW-MOUNTING HOLE DIMENSION [mm]

Model	L1	L2
BRV/BRH4000	330	264
BRV/BRH4800	400	334
BRV/BRH6600	460	394
BRV/BRH9600	560	494
BRV/BRH12800	660	594
BRV/BRH14400	760	694



■ ORDERING PROCEDURE

BRV4000	50 Ω	J	FL XXXX
Model #	Resistance	Tolerance J : ± 5% K : ± 10%	Wire Length (mm) (Standard : 300mm ±10) (Standard : UL3512 AWG10)