

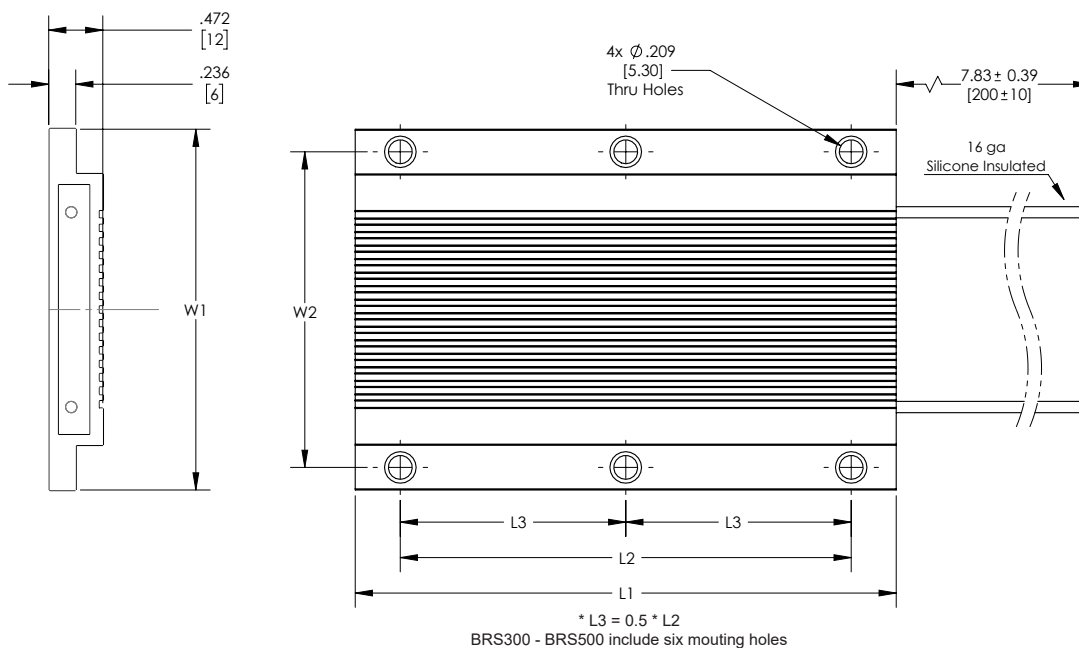


RoHS
compliant



- **Wirewound Technology**
- **Power ratings from 100 to 500 watts**
- **Resistance range of 1Ω to 5KΩ**
- **Tolerances of 1%, 5%, or 10%**
- **Ultra slim 12mm profile**
- **Compact Packaging**

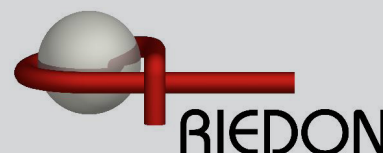
*Power rating note: Stated power rating is dependent on the resistor being mounted to a panel or heatsink of adequate mass to prevent the resistor surface from exceeding 200°C.



Revised: 201905 002

BRS Series

Slim Profile High Power Metal Clad Braking Resistors



Environmental Specifications BRS	
Operating Temperature Range	-55°C - 200°C
TCR	< 260ppm maximum
Dielectric Withstanding Voltage	2500 VAC
Insulation Resistance	20MΩ minimum
Short Time Overload	±1%+0.05Ω 5 times rated power for 5 seconds
Moisture Resistance	±2%+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	±2%+0.05Ω 40°C, 95% RH, 90 minutes 10% rated power, 30 minutes off 500 hours
Terminations	7.87 ± 0.39 (200 ± 10mm)Silicone heat resistant wire 16ga (1.39mm ²), white

