## : ©hipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation, and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!


## Contact us

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## 200 Series

## Brown Devil® Vitreous Enamel Power

Ohmite's Brown Devil® is a small, exceptionally durable power resistor. It features all-welded construction and rugged, flame resistant conformal lead free vitreous enamel coating to ensure successful performance under high temperatures.

The wirewound 200 Series has a hollow-core construction, which accommodates rigid mounting with brackets or thru bolts.

Mounting brackets not included with resistors.


## FEATURES

- Rugged lead free vitreous enamel coating
- All-welded construction.
- Self supporting terminal mounting option.
- Higher power ratings.
- Flame-resistant lead free vitreous enamel coating.
- RoHS compliant product available. Add "E" suffix to part number to specify.

SERIES SPECIFICATIONS

| Series | Wattage | Ohms | Lead Gauge | Max. Voltage* |
| :---: | :---: | :---: | :---: | :---: |
| B5 | 5.25 | $0.1-20 \mathrm{~K}$ | 20 | 187 |
| B8 | 8.0 | $0.03-25 \mathrm{~K}$ | 18 | 250 |
| B12 | 12.0 | $0.08-51 \mathrm{~K}$ | 18 | 625 |
| B20 | 20.0 | $0.1-100 \mathrm{~K}$ | 18 | 750 |

Non-Inductive versions available. Insert " N " before tolerance code. Example: B5NJ10RE
Also available in low cost Centohm or Silicone coating. Consult Ohmite.

* Maximum Voltage is based on Ohm's Law $\left[V=\sqrt{ } P^{*} R\right]$ as limited by the resistance value of specified product

CHARACTERISTICS

| Coating | lead-free vitreous enamel |
| ---: | :--- |
| Core | Ceramic |
| Terminals | Tinned axial; RoHS solder composition is $96 \% \mathrm{Sn}, 3.5 \%$ |
|  | $\mathrm{Ag}, 0.5 \% \mathrm{Cu}$ |$\quad$| Derating | Linearly from $100 \%$ @ $+25^{\circ} \mathrm{C}$ to $0 \% @+350^{\circ} \mathrm{C}$ |
| ---: | :--- |
| Tolerance | $1 \Omega+: \pm 5 \%$ |
|  | under $1 \Omega: \pm 10 \%$ |
| Power rating | Based on $25^{\circ} \mathrm{C}$ free air rating |
| Overload | 10 times rated wattage for 5 seconds |
| Temperature coefficient | $5 \Omega$ and under: $\pm 400$ ppm $/{ }^{\circ} \mathrm{C}$ |
|  | Above $5 \Omega: \pm 260$ ppm/ ${ }^{\circ} \mathrm{C}$ |
| Max. amps | To calculate, use the formula $\sqrt{ } \mathrm{P} / \mathrm{R}$ |

(continued)

## Brown Devil® Vitreous Enamel Power

## DIMENSIONS

(in. / mm)


ORDERING INFORMATION

## Standard Values




Made-to-order Parts

| Non-Inductive Winding |
| :--- |
| Optional (blank |
| = std. winding) |

