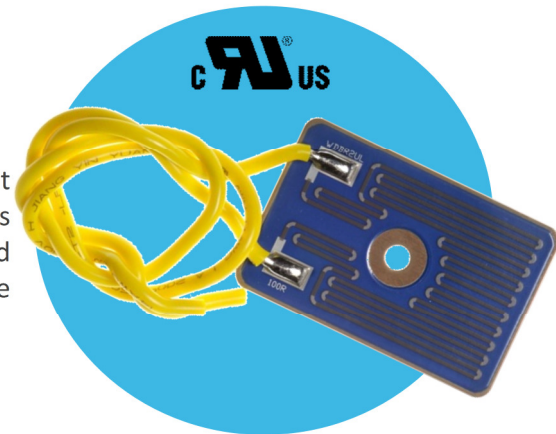


Fast Facts

WDBR-UL Series – UL Recognised Low Profile Power Resistors

WDBR-UL series is a thick film on steel power resistor with UL recognition. It has been developed based on the existing WDBR product which itself has been successfully used in the field for over ten years. The creepage and clearances and power ratings have been assessed in accordance with the requirements of UL508.



Market Segments

- Industrial

Applications

- Motor drive invertors
- Dynamic braking, inrush current limiting, snubber
- Electronic assembly heater element
- Over-voltage protection in wind turbines

Features

- UL508 certified – UL file E238661
- Ultra-low profile – thickness <2mm
- Rated power up to 1.4kW
- Overload power up to 13kW
- Isolation to 2.5kV
- 12R to 150R in 5 size options

Benefits

- Low profile allows space-saving integration which is not possible with bulky wirewound alternatives.
- UL recognition eases the compliance burden for UL approved end uses.

Our Advantage

For circuit designers who need to design UL approved systems containing power resistors in highly compact enclosed assemblies with heatsink-based thermal management, we provide WDBR-UL which provides a far lower volume solution than competing encased wirewound products and a faster route to safety certification.

Fast Facts

Appendix 1 Competitor Cross Reference

Whilst other sources of thick film on steel resistors are available, as a UL recognised component, the WDBR-UL has no known competition.

Other UL recognised braking resistors, for example, from Reohm, Danotherm and RaRa, use wirewound technology and cross reference generally requires analysis of individual application requirements. However, it should be remembered that WDBR-UL is uninsulated and aimed at enclosed applications where space is at a premium.

Appendix 2 Search Keywords

high power resistor	UL recognised resistor	UL approved resistor
UL508 resistor	dynamic braking resistor	braking resistor
power resistor	heatsink mount resistor	