

AC03-CS Axial Leaded, Cemented Fusible Wirewound Safety Resistors

Now Available With Pick and Place Friendly Lead Bending Option to Help Reduce Assembly Costs



ADVANTAGE

The surface-mount option enables you to skip an additional assembly step for leaded resistors, resulting in a reduced cycle time and lower cost of production.

KEY PRODUCT FEATURES

- ✓ Available in pick and place, machine-friendly WSZ lead form
- ✓ Suitable for harsh environmental conditions: rated power P_{40} of 3 W with an operating temperature range of -40°C to $+250^{\circ}\text{C}$
- ✓ UL1412-recognized; UL file no. E362452



RESOURCES

MARKETS AND APPLICATIONS



MOBILITY

- Automotive — conventional electronics and controls
- Automotive electrification
- Micro mobility



ENERGY SECTOR

- Energy distribution and management
- Metering



CONSUMER HOME

- Input / inrush control resistor in power supplies

ADDITIONAL BENEFITS

- Ease of PCB mounting for AEC-200 qualified, high power / high pulse handling wirewound resistor due to SMD design (Z-form leads)
- Impulse voltage handling capability (up to 4 kV) (1.2 / 50 μs pulse in IEC 61000-4-5)
- Robust, non-flammable silicone cement coating that conforms to UL 94 V-0

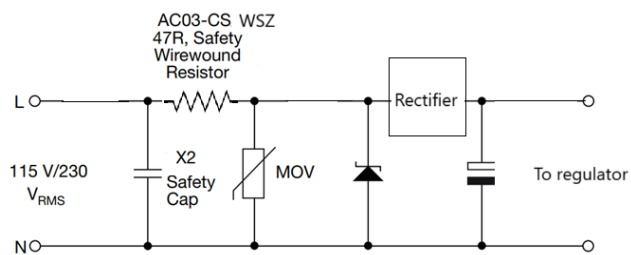


SIMULATION SUPPORT

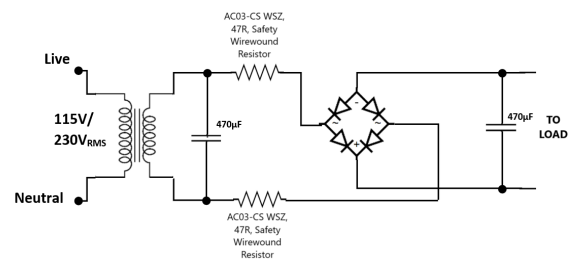
- Vishay simulation support for:
 - Pulse handling: single / continuous / complex pulse train
 - Thermal modelling: temperature rise at resistive wire / resistor body / solder joint

TYPICAL APPLICATIONS

Inrush current control circuit

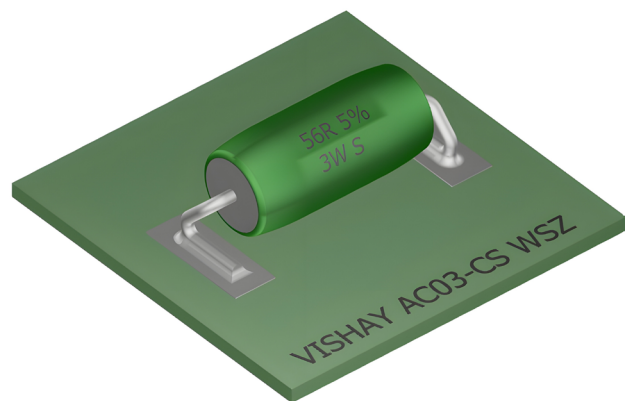
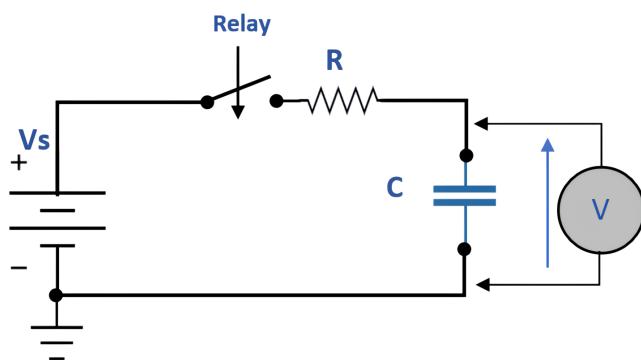


Home appliance power supply



MOUNTING EXAMPLE

Pre-charge / discharge circuit



If you are looking for cemented axial leaded wirewound resistors with a pick and place friendly lead bending option, please [contact us to purchase](#) or [order samples](#).