

AC03-CS Series Axial Cemented, Leaded Wirewound Safety Resistors Now Available With Pick and Place Friendly WSZ Lead Form, Allowing Devices to Be Used as SMD Components to Reduce Assembly Costs

Product Benefits:

- Available with pick and place friendly WSZ lead form
- UL1412 recognized; UL file no. E362452
- AEC-Q200 qualified
- Operate over a wide temperature range from -40 °C to +200 °C
- Feature a robust, non-flammable silicone cement coating that conforms to UL 94 V-0
- High surge voltage capability up to 4 kV (1.2/50 µs pulse per IEC 61000-4-5)
- Power rating of 3 W at an ambient temperature of 40 °C
- RoHS-compliant, halogen-free, and Vishay Green
- Feature tin-plated terminations for compatibility with lead (Pb)-free and lead (Pb)-containing soldering processes



Market Applications:

- Inrush current limiting, pre-charge, discharge, and snubber resistors in automotive electronics, energy meters, and power supplies for industrial drives and consumer appliances

The News:

Vishay Intertechnology announces that its AC03-CS series of axial cemented, leaded wirewound safety resistors is now available with a pick and place friendly lead bending option, the WSZ lead form, which allows the devices to be used as surface-mount components to reduce assembly time and lower costs.

- The devices ensure safe and silent fusing when high DC voltage overload or accidental AC mains voltage of 120 VRMS / 240 VRMS is applied
- The resistors' silicone cement coating allows the devices to safeguard the PCB and other components by minimizing the risk of fire due to extreme electrical overloads, without the need for additional fuses in series

The Key Specifications:

- Power rating P_{40} : 3 W
- Resistance range: 1 Ω to 100 Ω
- Resistance tolerance: $\pm 5 \%$
- TCR: ± 200 ppm/K



NEW PRODUCT INFORMATION

Product Group: Vishay Draloric, Resistors / June 2025



Availability:

Samples and production quantities of the AC03-CS series resistors with WSZ lead forms are available now, with lead times of 12 weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?28909> (AC03-CS)

Contact Information:

THE AMERICAS

Paulo Adabo
paulo.adabo@vishay.com

EUROPE

Ove Hach
ove.hach@vishay.com

ASIA/PACIFIC

Mike Phua
mike.phua@vishay.com