

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

Product Benefits:

- Available with pick-and-place friendly WSZ lead form (AC03 WSZ, AC03-AT WSZ)
- Rated power, $P_{70} = 3\text{ W}$
- Excellent pulse handling capability
- Non-inductive, AC-NI version available
- Feature a robust, non-flammable silicone cement coating that conforms to UL 94 V-0
- Operate over a wide temperature range of -55 °C to $+250\text{ °C}$
- RoHS-compliant and halogen-free



Market Applications:

- Snubber, load, and inrush current limiting resistors for pre-charge / discharge applications in automotive and industrial electronics, energy meters, and white goods power supplies

The News:

Vishay Intertechnology announces that its AC03 WSZ and AC03-AT WSZ cemented, axial-leaded wirewound resistors are now available with a pick-and-place friendly lead bending option, the WSZ lead form, that allows the devices to be used as surface-mount components. Offering high power dissipation and excellent pulse capability, the Vishay Draloric resistors are the industry's first such devices to be offered in a non-inductive version.

- With the WSZ lead form, the AC03 WSZ and AC03-AT WSZ can be assembled on the PCB alongside other surface-mount components to improve the pick-and-place process and lower costs
- The resistors' wirewound construction meets the highest requirements against mechanical resistance, thermal shocks, dielectric strength, and insulation resistance at high temperatures

The Key Specifications:

Device	P_{40} power dissipation rating	Resistance range	Resistance tolerance
AC03 WSZ	3 W	0.10 Ω to 5.1 k Ω	$\pm 5\%$
AC03-AT WSZ*	3 W	0.27 Ω to 3.3 k Ω	$\pm 5\%$

*AEC-Q200 qualified



NEW PRODUCT INFORMATION



Product Group: Vishay Draloric, Resistors / October 2022

Availability:

Samples and production quantities of the series resistors with WSZ lead forms are available now, with lead times of 16 weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?28730> (AC, AC-AT)

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