

Pick and Place Friendly SMD Lead Bending Option Now Available for AC05 and AC05-AT 5 W Cemented, Axial-Leaded Wirewound Resistors; WSZ Lead Form Allows Devices to Be Used as SMD Components to Reduce Assembly Costs

Product Benefits:

- WSZ lead form available for SMD mounting
- Peak power up to 5 kW for a 1 μ s adiabatic pulse load
- AEC-Q200 qualified (AC05-AT WSZ)
- Broad range of resistance values from 0.10 Ω to 10 k Ω
- Offered in a non-inductive version (AC05-NI WSZ) for fast switching circuits
- Ideal for challenging operating conditions:
 - Robust, non-flammable silicone cement coating conforms to UL 94 V-0
 - Operate over a wide temperature range of -55 $^{\circ}$ C to +250 $^{\circ}$ C
 - Offer a wirewound construction that meets the highest requirements against mechanical resistance, thermal shocks, dielectric strength, and insulation resistance at high temperatures
- RoHS-compliant and halogen-free devices
- Offer tin-plated terminations for compatibility with lead (Pb)-free and lead (Pb)-containing soldering processes



Market Applications:

- Snubber 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 5 W devices in its AC and AC-AT series of cemented, axial-leaded wirewound resistors are now available with a pick and place friendly SMD lead bending option, the WSZ lead form, that allows the devices to be used as surface-mount components.

- Resistors with the WSZ lead form can be assembled on the PCB alongside other surface-mount components to improve the pick and place process, reducing assembly time and costs

The Key Specifications:

- Rated dissipation P_{40} : 5 W
- Resistance range: 0.10 Ω to 10 k Ω
- Resistance tolerance: $\pm 5\%$
- Temperature range: -55 $^{\circ}$ C to +250 $^{\circ}$ C



NEW PRODUCT INFORMATION

Product Group: Vishay Draloric, Resistors / May 2024



Availability:

Samples and production quantities of the AC05 WSZ and AC05-AT WSZ 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?28730> (AC, AC-AT, AC-NI)

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