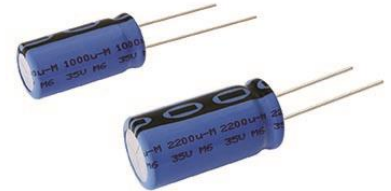


New 170 RVZ Series Miniature Aluminum Capacitors Provide Increased Design Flexibility and Will Save Board Space; Automotive Grade Devices Offer High Ripple Currents to 3.8 A, Operating Temperatures to +105 °C, and Useful Life to 10,000 Hours

Product Benefits:

- High ripple currents up to 3.8 A
- High temperature operation to +105 °C
- Very long useful life of 10,000 h
- AEC-Q200 qualified
- Available in case sizes ranging from 10 mm by 12 mm up to 18 mm to 40 mm
- Feature radial leads and a cylindrical aluminum case, insulated with a blue sleeve
- Rated voltages up to 63 V
- Capacitance from 100 µF to 6800 µF
- Low ESR and low impedance
- Charge- and discharge-proof
- RoHS-compliant



Market Applications:

- Smoothing, filtering, and buffering in switch mode power supplies and DC/DC converters for industrial, automotive, telecommunications, medical, and consumer applications

The News:

Vishay Intertechnology introduces a new series of low impedance, Automotive Grade miniature aluminum electrolytic capacitors that combines high ripple currents up to 3.8 A with high temperature operation to +105 °C and very long useful life of 10,000 h at 105°C.

- Compared to previous-generation solutions, the 170 RVZ series capacitors offer lower impedance and 10 % to 15 % higher ripple current
 - This allows designers to utilize fewer components, increasing design flexibility and saving board space
- Available in smaller case sizes than previous-generation solutions
- Polarized aluminum electrolytic capacitors with a non-solid electrolyte

The Key Specifications:

Series	170 RVZ
Case size (D x L in mm)	10 x 12 to 18 x 40
Capacitance range	100 µF to 6800 µF
Tolerance	± 20 %
Rated voltage	10 V to 63 V



NEW PRODUCT INFORMATION



Product Group: Vishay BCcomponents, Aluminum Capacitors / October 2020

Category temperature range	-40 °C to +105 °C
Useful life @ +105 °C	4000 h to 10,000 h
Ripple current	445 mA to 3,800 mA
Max. impedance at 100 kHz	0.017 Ω to 0.260 Ω (@ +20 °C); 0.120 Ω to 1.860 Ω (@ +40 °C)
Climatic category IEC 60068	55 / 105 / 56

Availability:

Samples and production quantities of the 170 RVZ series are available now, with lead times of six weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?28462> (170 RVZ)

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