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New RCS e3 Series Anti-Surge Thick Film Chip Resistors Combine Superior Pulse and ESD Handling With High Power Rating

Product Benefits:

- AEC-Q200-qualified
- Superior pulse load performance
- Excellent ESD surge characteristics
- High power ratings up to 0.4 W
- Available in 0402, 0603, and 0805 case sizes
- Resistance range from 1 Ω to 10 M Ω
- Tolerances down to $\pm 0.5\%$
- TCR down to ± 100 ppm/K
- Operating voltage range from 50 V to 150 V
- Temperature range of $-55\text{ }^{\circ}\text{C}$ to $+155\text{ }^{\circ}\text{C}$
- RoHS-compliant and halogen-free



Market Applications:

- Automotive and industrial applications subject to high and repetitive surge pulses

Buy It Now

[Check distributor stock on the Vishay website](#)

The News:

Vishay Intertechnology releases a new series of anti-surge, high-power thick film chip resistors optimized for automotive and industrial applications.

- Offer superior pulse load performance and ESD surge characteristics when compared to standard chip resistors
- Compact case sizes save space on densely packed PCBs
- With its specified power of 0.25 W, the small RCS0603 e3 resistor covers the power ratings of standard 0603, 0805, and 1206 devices
 - Allows designers to standardize components and take advantage of the lower costs of smaller resistors



The Key Specifications:

Part number	RCS0402 e3	RCS0603 e3	RCS0805 e3
Case size	0402	0603	0805
Rated dissipation P_{70} (W)	0.2	0.25	0.4
Operating voltage (V)	50	75	150

Availability:

Samples and production quantities of the RCS e3 series are available now, with lead times of 10 weeks.

To access the product datasheet on the Vishay website, go to <http://www.vishay.com/ppg?20065> (RCS e3)

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