

New Wide-Range CAPZero-2 IC from Power Integrations Safely Discharges X Capacitors up to 6 μ F

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Single part covers 0.1 – 6 μ F; pre-certified for safety; safely handles line surges up to 6 kV

SAN JOSE, Calif.--(BUSINESS WIRE)-- Power Integrations (Nasdaq:**POWI**), the leader in high-voltage integrated circuits for energy-efficient power conversion, today announced **CAPZero™-2** ICs, the next generation of its **CAPZero** line of innovative, two-terminal, X capacitor discharge ICs. **CAPZero-2** ICs increase design flexibility by covering a wide range of applications and output power. Featuring an expanded X capacitor range from 0.1 μ F to 6 μ F, a rating of 1 kV breakdown voltage which allows for a transient voltage capability of 6 kV, CAPZero-2 ICs withstand severe line surges and swells.

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CAPZero-2 ICs are smart, high-voltage switches that significantly reduce no-load and standby input power consumption. Placed in series with resistors that provide a safe discharge path for a power supply's X capacitor, **CAPZero-2** devices block current flow to the discharge resistors when AC voltage is applied, cutting the power wasted in these components to zero. When the AC voltage is disconnected, the **CAPZero-2** switch automatically and safely discharges the X capacitor by closing the circuit and directing the energy away from the exposed AC plug.

Comments Edward Ong, product marketing manager at Power Integrations: "With the introduction of our new **CAPZero-2** ICs, power supply designers only need to qualify one part number for all their X capacitor discharge IC applications. This increases design flexibility and speeds time-to-market while reducing the resources required to qualify devices."

CAPZero-2 X capacitor discharge ICs eliminate a key source of power losses while allowing power supplies to comply with **IEC 62368-1**, the new over-arching safety standard covering a broad segment of energy-using equipment. The new standard replaces IEC 60950 and IEC 60065, and will shortly become mandatory. Because **CAPZero-2** devices are safety-certified to CB and Nemko requirements, developers do not need to perform a separate capacitive discharge safety test of the power circuit.

Applications include air-conditioners, home appliances, small appliances, cookers, vacuum cleaners, TVs, desktop and notebook PCs, projectors, workstations, computer monitors, and printers. Parts are immediately available in SO-8 packaging priced at \$0.19 each in 10,000-piece quantities. Product datasheet, design ideas, and introductory video are available now on the Power Integrations website at <http://www.power.com/products/capzero-2>.

About Power Integrations

Power Integrations, Inc. is a leading innovator in semiconductor technologies for high-voltage power conversion. The company's products are key building blocks in the clean-power ecosystem, enabling the generation of renewable energy as well as the efficient transmission and consumption of power in applications ranging from milliwatts to megawatts. For more information please visit www.power.com.

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