



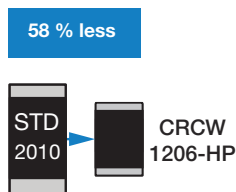
DID YOU KNOW?

CRCW-HP SERIES PULSE-PROOF, HIGH POWER THICK FILM CHIP RESISTORS

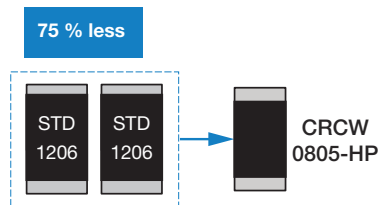
Today, many fields in the electronics industry require advanced power dissipation, reliability, and a robust design, all in smaller case sizes. CRCW-HP series pulse-proof, high power thick film chip resistors are the perfect choice to meet these requirements.

High Power Rating: The increased power dissipation of CRCW-HP series devices allows them to replace standard resistors in larger case sizes. Furthermore, the increased power rating of the CRCW-HP series allows for a reduction in components by replacing up to six standard resistors components of the same case size.

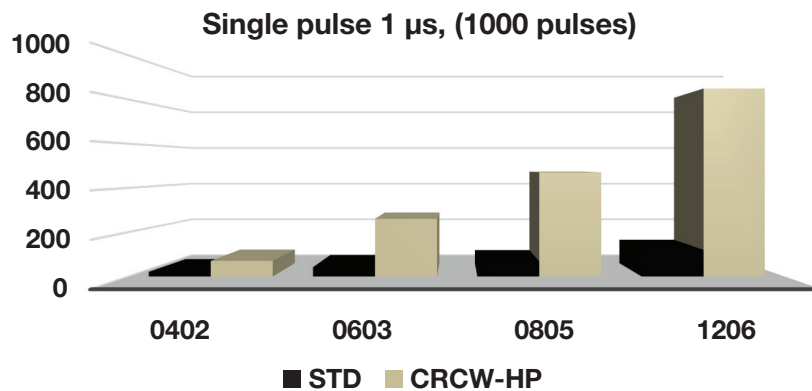
Space Saving



Component Count Reduction



Pulse-Proof Performance: An optimized trimming geometry, combined with a double-sided design, allows the resistors to homogeneously dissipate power and distribute thermal energy across the resistive elements. This design allows for excellent component pulse performance, up to nine times better than standard resistors.



Temperature Cycling Stability: Temperature variations cause mechanical stress on the solder joints due to different thermal expansion of the resistor and the PCB. This temperature cycling stress leads to a degradation, and finally cracking, of the solder joint. The CRCW-HP series allows for the use of smaller case sizes, reducing the distance between solder joints and lowering the stress, resulting in higher temperature cycling stability.

Pulse-proof, high power thick film chip resistors are the optimum choice for industrial and automotive applications that require components with an advanced power rating and pulse performance, have board space restrictions, or operate in environments that demand high thermal robustness.

Advanced Thermal Cycling



STD 0805 - 1000 cycles
CRCW0805-HP - 2000 cycles

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- Battery management systems
- Electronic transmission controls
- DC/DC converters

- Industrial drives
- Power electronic systems
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