



DID YOU KNOW?

RoHS-COMPLIANT CERAMIC POWER CAPACITORS

To Start With a Current Situation...

Did you know that you might need high voltage components that comply with RoHS?

In most cases single-layer ceramic power capacitors are used in large, fixed-installation industrial or medical systems that still allow the use of non RoHS-compliant components due to their high voltage ratings.

Looking at the RoHS Directive...

According to EU Directive 2011/65/EU, instruments designed for a voltage rating greater than 1000 V_{AC} or 1500 V_{DC}, as well as large scale stationary industrial tools and equipment, are “out of scope”. Please note that the RoHS directive applies to equipment only, not to components. Some instruments, however, are rated for 230 V_{AC} only, for example, but use much higher voltages internally. Therefore the components in use must be rated accordingly. If such instruments must be RoHS-compliant, each and every component must meet the compliance requirements as well, including power capacitors that are rated higher than 1000 V_{AC} or 1500 V_{DC}. The same applies for any sort of mobile equipment.

Vishay Is Prepared...

We have already designed some components, such as smaller plate capacitors and barrel capacitors, that comply with RoHS. Many more are available on request and on short notice.

Vishay Wants to Emphasize That...

Vishay Draloric [PS 20](#), [PS 30](#), [PS 40](#), [PS 55](#), [PD 70](#), [PD 100](#), and [PE 100](#) series of ceramic single-layer power plate capacitors and [TOS 016010](#), [TOS 020016](#), [TOS 025016](#), and [TOS 030033](#) series of ceramic single-layer power barrel capacitors are available in RoHS-compliant versions (meeting the requirements of EU Directive 2011/65/EU). Contact Vishay to request any other ceramic power capacitor type, and our engineering team will check for RoHS-compliant versions.

