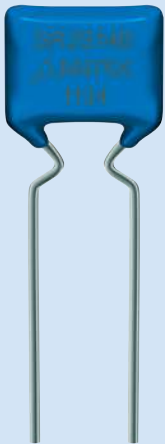




Sample Kit 2011

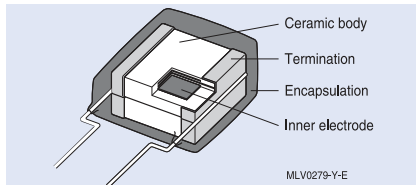
Leaded Transient Voltage/ RFI Suppressors (SHCVs)

for Combined Overvoltage and RFI Suppression in Electric Motors



What are leaded transient voltage / RFI suppressors (SHCVs)?

- Leaded transient voltage / RFI suppressors (also called SHCV varistors) are leaded devices in a single component for combined overvoltage protection and RFI noise suppression on DC lines of small electric motors in industrial and automotive applications
- SHVC varistors are a combination of high capacitance multilayer capacitor with X7R characteristic for RF filtering and a multilayer varistor for transient protection



Construction of leaded transient voltage / RFI suppressors (SHCVs)

Benefits for customer applications

- Combined protection against overvoltage transients and RFI suppression in a bidirectional single component
- Reliable protection against automotive transients such as load dump and jump start
- Maximum surge current capability (8/20 μ s) up to 1200 A
- High capacitance of up to 4.7 μ F
- Automotive series approval based on AEC-Q200 Rev-C
- No temperature derating up to 125 °C



Important information: Some parts of these statements are based on our knowledge and experience. We expressly point out that these statements cannot be regarded as binding statements and that the customer is responsible for checking and deciding whether a product is suitable for their application. It is incumbent on the customer to check and decide whether a product is suitable for their application. This publication is only a brief product survey which may be changed from time to time. Our products are described in our product catalogues. Important notes (www.epcos.com/ImportantNotes) and the product-specific *Cautions and warnings* must be observed. All information is available through our sales offices.

© EPCOS AG 2011
www.epcos.com

