Technical Data Sheet

Electrical Specifications

Capacitance/Tolerance: 140 µF, ±10%
DC Voltage Rating: 1500 VDC
Dielectric/Construction: Metallized Polypropylene film. Single section design

Dielectric Withstand Voltage: Units 100% tested at a DC potential of 1875 Volts for two minutes at +25°C

ESR vs. Frequency:
Electrical Specifications (cont’d)

ESL: Less than 5 nH in a suitable laminar bus structure

Thermal resistance: 0.9°C/W (case side cooling only)
                  0.44°C/W (case and bus side cooling)

Operating Temperature: -40°C to +85°C at full DC voltage rating

Voltage, Temperature De-rating: De-rate voltage linearly to 1300 Volts from +85°C to +107°C, with respect to hotspot temperature

System Fault Current Rating: 10,000 Amps maximum (external to the capacitor)

RMS Current Rating:
Mechanical Specifications

Dimensions: See Layout Drawing below for details.
Terminals: Tin plated copper, 0.032" thick
Encapsulation: Molded polymeric case potted with RTV silicone

Marking:
- SBE: SBE Company Identification
- 700D411: Unique SBE Part Number
- 140 μF ±10%: Capacitance value and Tolerance
- 1500 VDC: DC Voltage Rating
- yyww-lot#-unit: Serial Number (date code, lot number, unit number)

NOTES:
1. All Hole Positions Inspected
2. All Dimensions Inspected Unless Marked As Reference

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