**Power Ring Film Capacitor™**

1000 µF

700 VDC

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**Electrical Specifications**

- **SBE Part #:** 700D10897-547
- **Capacitance/Tolerance:** 1000 µF ±10%
- **DC Voltage Rating:** 700 VDC
- **Dielectric/Construction:** Metallized Polypropylene. Single section design.
- **Dielectric Withstand:** Unit 100% tested at DC potential of 950 Volts for two minutes at +25°C
- **Insulation Resistance:** 100 MΩ Min at +25°C
- **ESR vs. Frequency:**

![ESR vs Frequency](image)
Electrical Specifications (cont’d)

ESL: Less than 5 nH in a suitable laminar bus structure.
Operating Temperature: -40°C to +85°C at full DC voltage rating
System Fault Current Rating (external to the capacitor): 7500 Amps maximum
Voltage, Current, Temperature De-rating: For applications above +85°C please contact SBE
RMS Current Rating:

Mechanical Specifications

Dimensions: Refer to layout details on following page
Terminals: Matte Tin plated copper, 0.032” thick
Encapsulation: Polycarbonate outer housing, potted with RTV silicone
Marking: SBE SBE Company Identification
700D547 SBE Part Number
1000 μF ±10% Capacitance value and tolerance
700 VDC DC Voltage Rating
yyww-lot#-unit Serial Number (date code, lot number, unit number)
Contact SBE for further details. Thank you.

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