**Electrical Specifications** 

Capacitance/Tolerance: 375 µF ±10%

SBE Part #:

**DC Voltage Rating:** 

**Dielectric Withstand** 

Voltage:

# **Power Ring Film Capacitors™**

SBE Part 700A37799-181

## Power Ring Film Capacitor™ 375 μF, 900 Vdc

The 700A37799-181 Power Ring assembly is a 900 Vdc, 375 μF dual winding DC Link Capacitor integrated with a laminated bus with an ESR of 320 micro-Ohms at 20 kHz and an ESL less than 5 nH.

700A37799-181

Dual windings integrated to a

Units 100% tested at DC

voltage of 1,125 Vdc for

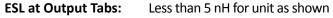
2 minutes at 25°C

900 Vdc

**Dielectric/Construction**: Metallized polypropylene film.

laminar bus.





(value does not include effects from any additional hardware,

bus adaptor, etc.)

Operating Temperature: -40°C to +85°C

hotspot temperature at full DC voltage rating

De-rating:

**Voltage, Temperature** De-rate voltage linearly to 700 Vdc from +85°C to +105°C,

with respect to hotspot

temperature

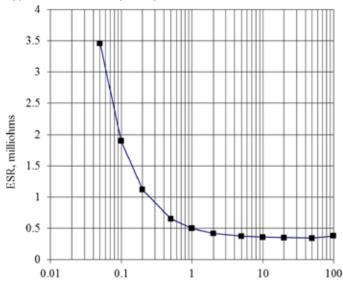
**System Fault Current** 

Rating:

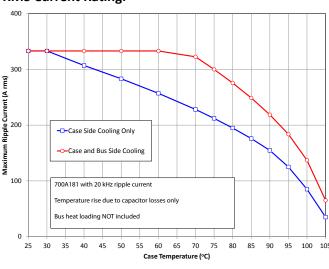
3,000 Amps maximum (external

to the capacitor)

#### Typical ESR vs. Frequency:



#### **RMS Current Rating:**



SBE reserves the right to amend design data



# **Power Ring Film Capacitors™**

SBE Part 700A37799-181

### **Mechanical Specifications**

Dimensions: See layout drawing for details
Bus: Tin plated copper, 0.062" thick

**Terminals:** Tin plated copper, 0.031" thick

**Encapsulation:** Un-encapsulated

Marking: SBE SBE company identification

700A181 SBE "short form" part number

 $375 \mu F \pm 10\%$  Capacitance value and

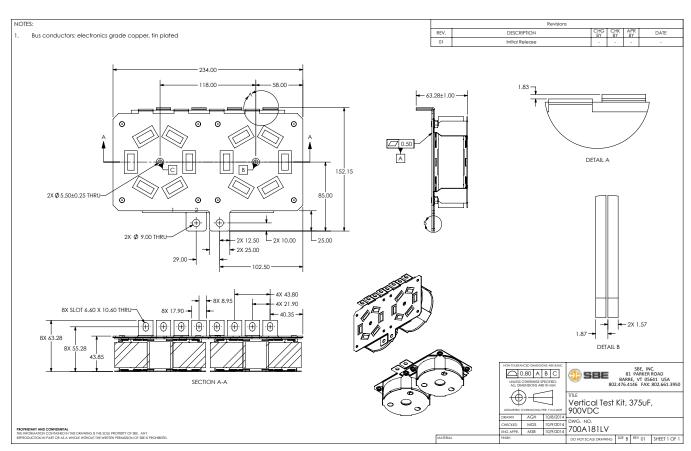
tolerance

900 Vdc DC voltage rating

yyww-lot#-unit Serial number (date code,

lot number, unit number)

### **Layout Details:**



Contact SBE Inc. to discuss your specific requirements.