



Technical Data Sheet

Electrical Specifications

Capacitance/Tolerance:	550 μ F, \pm 5%
DC Voltage Rating:	750 VDC
Dielectric/Construction:	Patented pulse technology metallized polypropylene film. Single section design, non-inductively wound.
Dielectric Withstand Voltage:	Unit shall withstand a DC potential of 900 Volts for two minutes.
Maximum Surge Voltage:	Units should not be exposed to a surge voltage greater than 900 Volts.
Insulation Resistance:	180 M Ω Min at +25°C.
ESR @ 20 KHz.:	< 0.2 milliohm
ESL:	~ 25 nH based on short circuit ring-out measurement concept. The actual capacitor loop inductance will depend on the application interconnect design. In addition a 4-wire measurement of the bare capacitor section (end spray surface to end spray surface) will also result in a lower value; however this would not indicate a "realistic" inductance as it measures only part of the discharge loop.
Operating Temperature:	0°C to +70°C.
Peak Current Rating:	1000 Amps Repetitive [rate such as not to exceed RMS rating].
Peak Fault Current:	10,000 Amps. One time discharge, with anticipated < 5% cap loss.
RMS Current Rating:	154 Amps RMS. Assumes a terminal and case temperature < 75°C and an approximate +10°C temperature rise to internal capacitor hot spot.

Mechanical Specifications

Dimensions:	Refer to accompanying drawing.	
Core:	Hollow phenolic core with 1.02" I.D. Meets UL-94HB specifications.	
Terminals:	Tin plated aluminum alloy 1100, T0 (Annealed).	
Encapsulation:	None.	
Marking:	SBE	SBE Company Identification
	700D402	Unique SBE Part Number
	550 μ F \pm 10%	Capacitance value and tolerance
	750 VDC	DC Voltage Rating
	yyww	Weekly date code (i.e. 0815 = 15 th week of 2008)

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