



Power Ring Film Capacitor™ 225 µF 1200 VDC



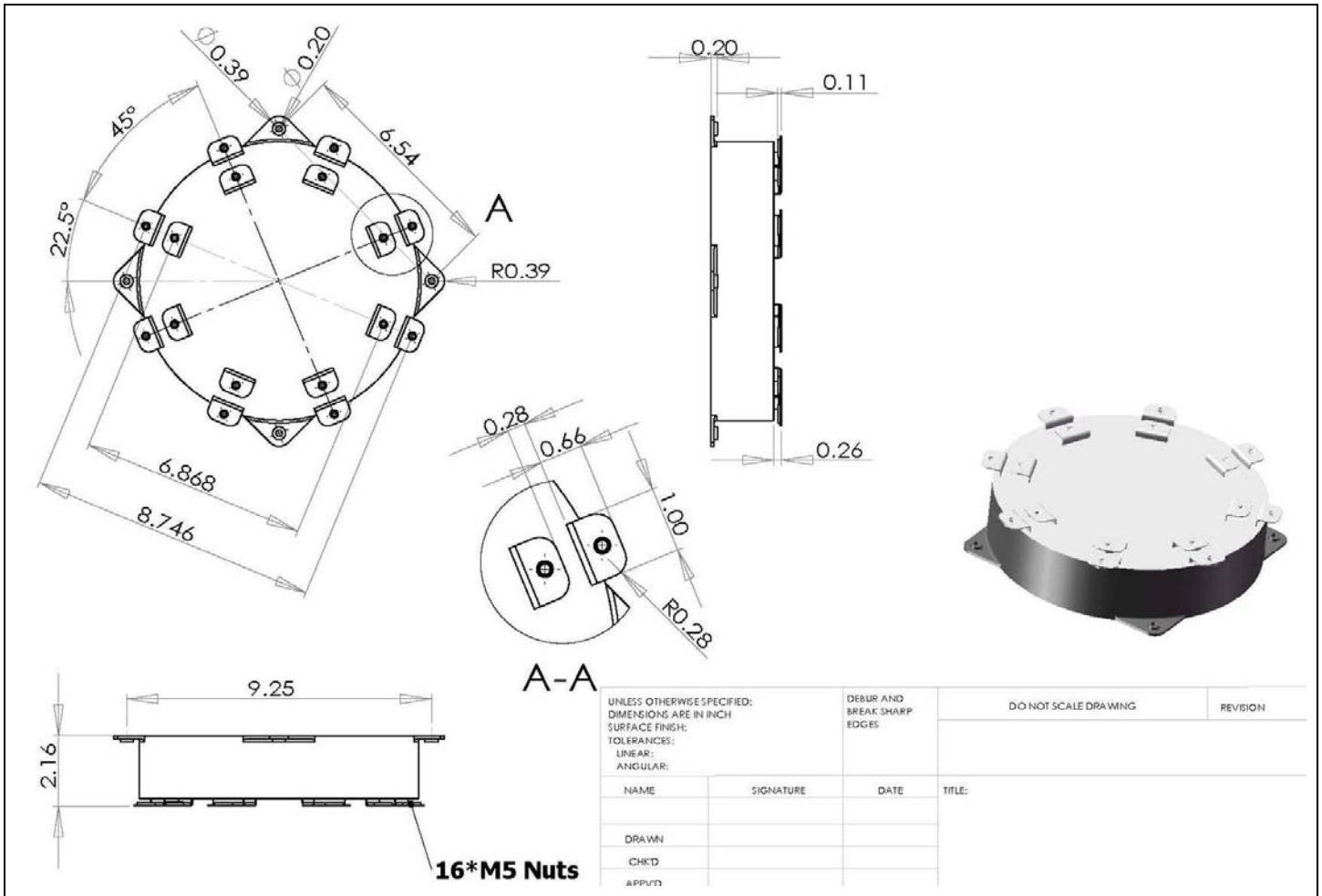
Electrical Specifications

SBE Part #:	700D227912-409
Capacitance/Tolerance:	225 µF, ±10%
DC Voltage Rating:	1200 VDC
Dielectric/Construction:	Metallized Polypropylene. Single section design, non-inductively wound
Dielectric Withstand:	Unit shall withstand a DC potential of 1500 Volts for two minutes
Insulation Resistance:	445 MΩ Min at +25°C
ESR @ 100 KHz.:	< 0.24 milliohms
ESL:	~15 nH. The actual capacitor loop inductance will depend on the application interconnect design
Operating Temperature:	-55°C to +85°C at full DC voltage rating
Peak Current Rating:	7500 Amps maximum
RMS Current Rating:	150 Amps RMS at +85°C. Assumes an approximate +10°C temperature rise from outer case to internal capacitor hot spot
Voltage, Current Temperature De-rating:	For applications above +85°C please contact SBE

Mechanical Specifications

Dimensions:	Refer to layout details										
Terminals:	Tin plated copper, 0.032" thick										
Encapsulation:	Polycarbonate outer housing, potted with RTV silicone										
Mechanical Mounting:	It will be important to mount this unit using the 4 connection points of the plastic housing to provide stress relief for the terminals.										
Marking:	<table><tr><td>SBE</td><td>SBE Company Identification</td></tr><tr><td>700D409</td><td>SBE Part Number</td></tr><tr><td>225 µF ±10%</td><td>Capacitance value and tolerance</td></tr><tr><td>1200 VDC</td><td>DC Voltage Rating</td></tr><tr><td>yyww</td><td>Weekly date code (i.e. 0915 = 15th week of 2009)</td></tr></table>	SBE	SBE Company Identification	700D409	SBE Part Number	225 µF ±10%	Capacitance value and tolerance	1200 VDC	DC Voltage Rating	yyww	Weekly date code (i.e. 0915 = 15 th week of 2009)
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Layout Details:



Contact SBE for further details. Thank you.

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