

Power Ring Film Capacitor 1000 μ F, 700 Vdc

The 700D10897-547 Power Ring is a 450Vdc, 1000 μ F DC Link Capacitor with an ESR of less than 250 micro-Ohms at 20kHz and an ESL of less than 5nH.



Electrical Specifications

Part #: 700D10897-547

Capacitance/Tolerance: 1000 μ F \pm 10%

DC Voltage Rating: 700 Vdc

Dielectric/Construction: Metallized polypropylene. Single section design

Dielectric Withstand Voltage: Units 100% tested at DC potential of 950 Volts for two minutes at 25°C

Insulation Resistance: 100 M Ω Min at +25°C

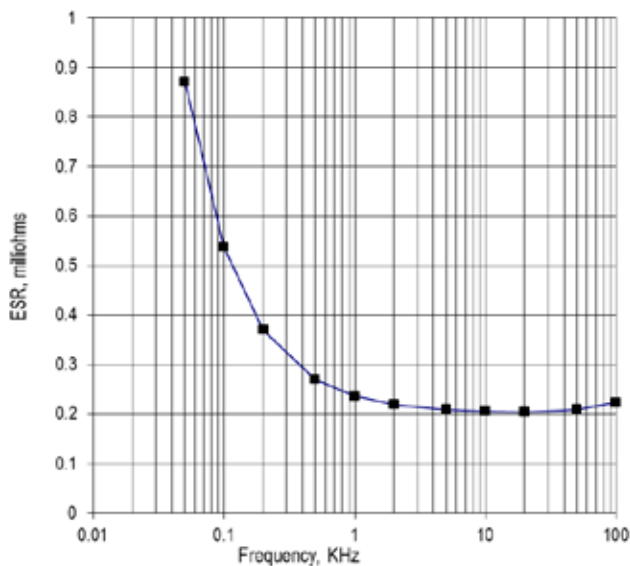
ESL: Less than 5 nH in a suitable laminar bus structure

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

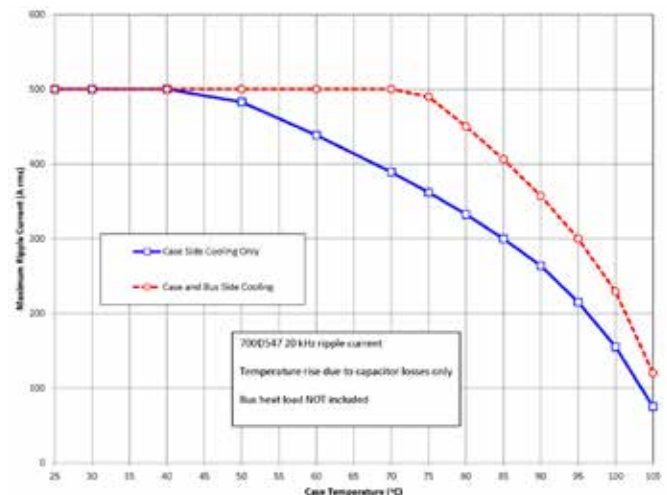
Voltage, Temperature De-rating: For applications above +85°C, please contact Advanced Conversion

System Fault Current Rating: 7,500 Amps maximum (external to the capacitor)

Typical ESR vs. Frequency:



RMS Current Rating:



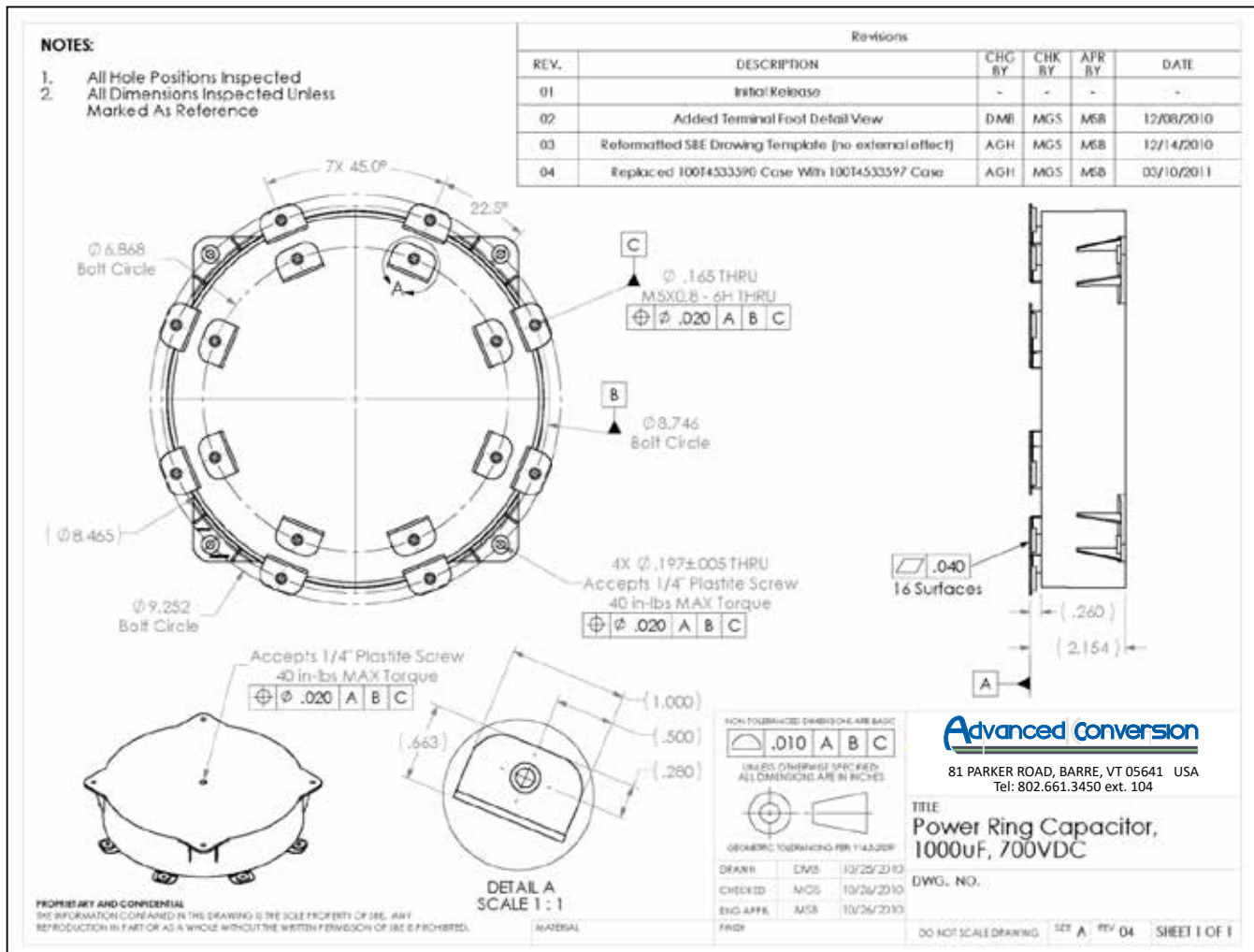
Advanced Conversion reserves the right to amend design data

Mechanical Specifications

Dimensions:	See layout drawing for details	Marking: APCS	company identification
Terminals:	Matte tin plated copper, 0.032" thick	700D547	Unique part number
Encapsulation:	Polycarbonate outer housing, potted with RTV silicone	1000 μ F \pm 10%	Capacitance value and tolerance
		7000 Vdc	DC voltage rating
		yyww-lot#-unit	Serial number (date code, lot number, unit number)

Layout Details:

Contact Advanced Conversion to discuss your specific requirements.



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