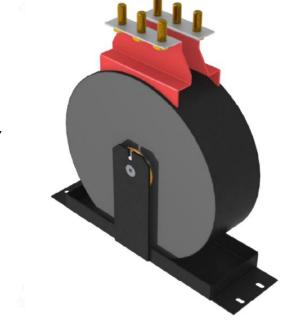


Power Ring Film Capacitors 700D722

Power Ring Film Capacitor 1800 µF, 1000 Vdc

The 700D722 series Power Ring assembly is an 1800 µF, 1000 Vdc, single winding, DC Link Capacitor with an ESR less than 400 $\mu\Omega$ at 20 kHz, an ESL less than 50 nH. This assembly is meant to replace a TPC/AVX FFLC6-3435-A box capacitor. See image on last page to see comparison.



Electrical Specifications

Part #: 700D722

Capacitance/Tolerance: 1800 µF ±10%

DC Voltage Rating: 1000 Vdc

Dielectric: Metallized

polypropylene film

ESL at Terminals: < 50 nH

Typical ESR vs. Frequency: $<400 \mu\Omega$ at 20 kHz

Continuous DC Voltage

Rating:

1000 Vdc up to 85°C (de-rate linearly from

1000 Vdc to 650 Vdc from 85°C to 105°C)

Units 100% tested at **Maximum DC Voltage:**

DC voltage of 1150 Vdc for 2 minutes at 25°C

-40°C to +105°C **Operating Temperature:**

Maximum Current: 300 Arms

Life: 75°C Hotspot rated

voltage 200,000 hours

Mechanical Specifications

Dimensions: See layout drawing for details

Winding encapsulated, Packaging:

mounted on steel stand

Construction: Single winding with terminal

and studs (can be

customized)

Marking:

APCS APCS company identification

700D722 Part number

1800 μF ±10% Capacitance value and

tolerance

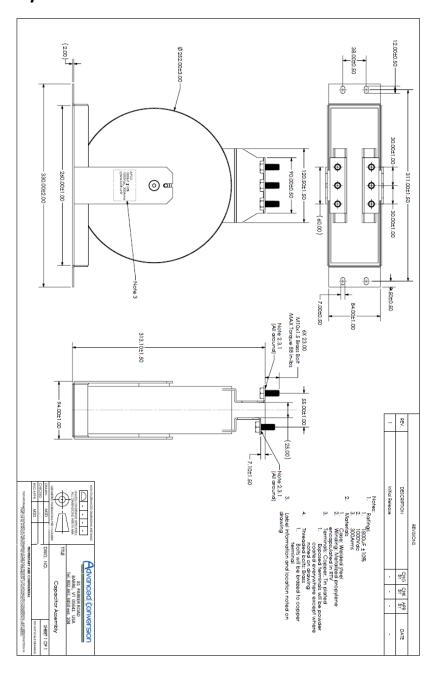
1000 Vdc DC voltage rating

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

lot number, unit number)

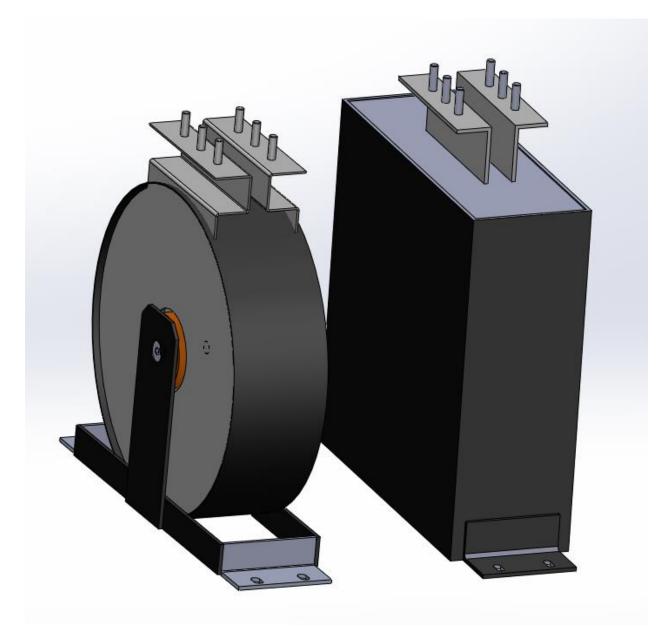
Power Ring Film Capacitors 700D722

Layout Details:





Size Comparison



Revision Table		
Revision	Description	Date
Rev 1	Initial release	4/06/2023

Advanced Conversion reserves the right to amend design data

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