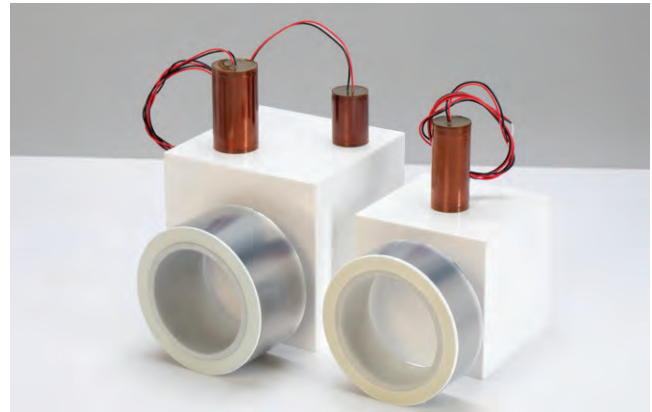


# PROVEN RELIABILITY BACKED BY RIGOROUS TESTING

W. L. Gore & Associates is pleased to partner with Advanced Power Conversion Solutions (APCS) to feature GORE® High Temperature Film in capacitors for oil and gas power electronics. Incorporating Gore’s innovative film technology into APCS capacitors offers more reliability in harsh downhole tool drilling operations.

At Gore, our commitment to product integrity — a core value we refer to as fitness for use — is a fundamental part of our culture. We ensure that our products meet customer expectations and do what they say they will do in the intended application.

Gore tested and inspected APCS capacitors featuring GORE® High Performance Film to verify product quality, capability, and reliability to meet rigorous mechanical and electrical performance standards (Table 1). Results validated that finished capacitors met Gore’s fitness-for-use criteria for durability and reliability in extreme oil and gas environments.



In addition, Gore is aware of third-party vibration testing up to 20g at elevated temperatures and mechanical shock up to 500 times at 1000g .

For more information and to place an order for finished capacitors featuring GORE® High Performance Film, visit [advanced-conversion.com](http://advanced-conversion.com).

**Table 1: Test Summary**

Examination or Test	Specification /Test Condition	Status
Insulation Resistance (DWV)	MIL-STD-202G, Method 301, Condition A (600 V)	Pass
Thermal Cycling	MIL-STD-883J, Modified Condition D (-30°C to +170°C)	Pass
Lead Pull	MIL-STD-202G, Method 211A, Test Condition A (5 lbs.)	Pass

Information in this publication corresponds to W. L. Gore & Associates’ current knowledge on the subject. It is offered solely to provide possible suggestions for user experimentations. It is NOT intended, however, to substitute for any testing the user may need to conduct to determine the suitability of the product for the user’s particular purposes. Due to the unlimited variety of potential applications for the product, the user must BEFORE production use, determine that the product is suitable for the intended application and is compatible with other component materials. The user is solely responsible for determining the proper amount and placement of the product. Information in this publication may be subject to revision as new knowledge and experience become available. W. L. Gore & Associates cannot anticipate all variations in actual end user conditions, and therefore, makes no warranties and assumes no liability in connection with any use of this information. No information in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

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