

High-Temperature Film Capacitors

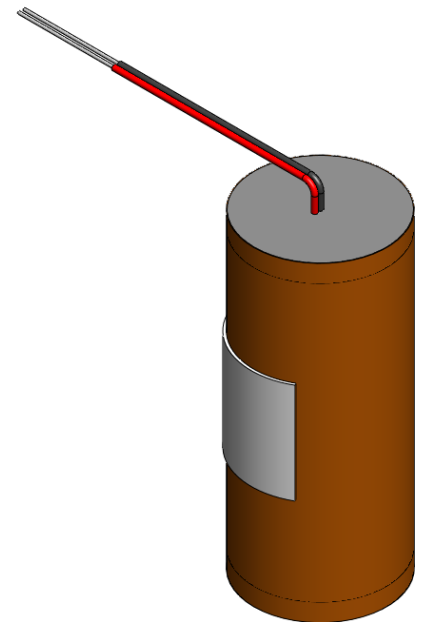
Advanced Conversion has partnered with W.L. Gore & Associates to provide high-temperature film capacitors for operation up to 200°C while retaining long life and capacitance stability. These capacitors are offered in standard sizes ranging from 30uF to 100uF.

Mechanical Specifications:

- Dimensions:** See layout drawing for details
- Packaging:** Kapton® outer wrap encapsulated with epoxy
- Connection Type:** Stranded silver-coated copper wire with PTFE insulation. Wires can exit from one or both sides.
- Wire Termination:** Ends stripped of insulation
- Wire Gauge:** See Part Numbering for details
- Environmental Compliance:** RoHS

Electrical Specifications:

- Capacitance:** See Part Numbering for details
- Capacitance Tolerance:** ±10%
- DC Voltage Rating:** 400 VDC
- ESR:** < 120 mΩ typical
- Operating Temperature:** -40°C to 200°C



Part Numbering:*

803 1 G 030 -24 -2

Part Series	Revision	Film Type	Capacitance (uF)	Wire Gauge (AWG)	Wire Exit
803	1	G (GORE® High-Temperature Film)	30	24	1 (Exit on one side) (Only for 24 AWG option)
			40		
			50		
			60	OR	OR
			70		
			80		
			90	18	2 (Exit on both sides)
			100		

*Omit spaces when ordering, e.g. 8031G030-24-2

Marking:

Company Identification: APCS

Part Number: 8031GXXX-XX-X

Capacitance value and Tolerance: XXX uF ±10%

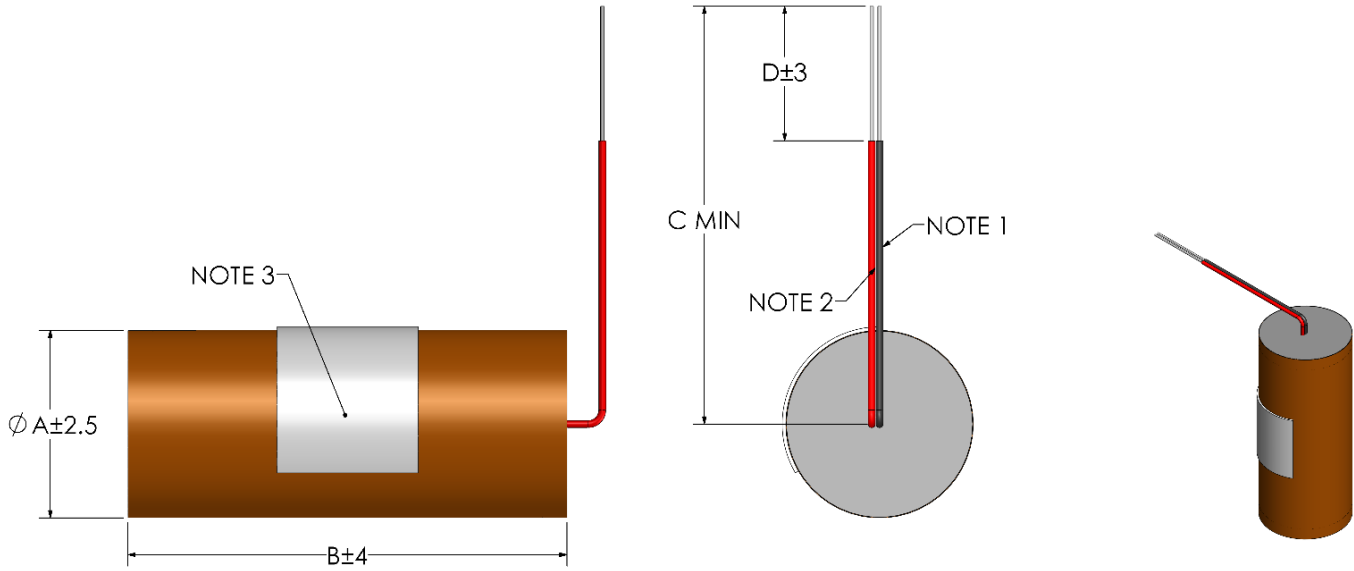
DC Voltage Rating: 400 VDC

Serial Number: yyww-lot#-unit
(date code, lot number, serial number)

Layout Detail:

- NOTES:
 1. WIRE COLOR IS BLACK
 2. WIRE COLOR IS RED
 3. LABEL CONTAINS SERIAL NUMBER, PART NUMBER, AND REVISION

REVISIONS				
REV.	DESCRIPTION	CHG BY	CHK BY	DATE
1	Initial Release	-	-	-



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.			
DRAWN: AAS 8/23/2024		DWG. NO. 8031G	
CHECKED:		SHEET 1 OF 1	
ENG APPR:		8/24/24 02AM 26/10/24	
PROPRIETARY AND CONFIDENTIAL			
THE INFORMATION CONTAINED HEREIN IS THE SOLE PROPERTY OF ADVANCED CONVERSION AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ADVANCED CONVERSION.			

Part Number	Capacitance (uF)	A (mm)	B (mm)	C (mm)	D (mm)
8031G030-XX-X	30	26.7	62	66	19
8031G040-XX-X	40	30.4			
8031G050-XX-X	50	33.7			
8031G060-XX-X	60	36.7			
8031G070-XX-X	70	39.4			
8031G080-XX-X	80	42.0			
8031G090-XX-X	90	44.4			
8031G100-XX-X	100	46.7			

Revision Table		
Revision	Description	Date
Rev 1	Initial Release	11/1/2024