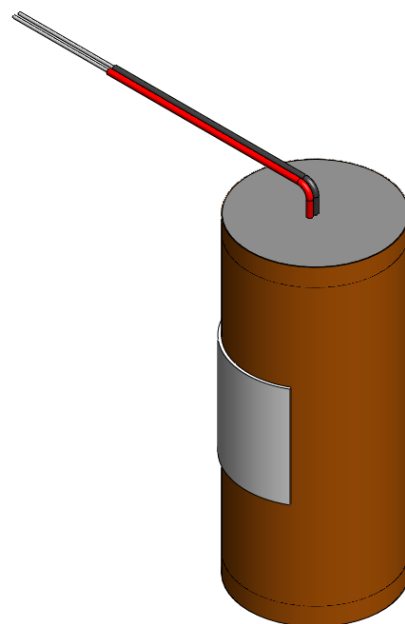


High-Temperature Film Capacitors



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 25uF 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)	25	24	1 (Exit on one side) (Only for 24 AWG option)
			30		
			40		
			50	OR	OR
			60		
			70		
			80	18	2 (Exit on both sides)
			90		
			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

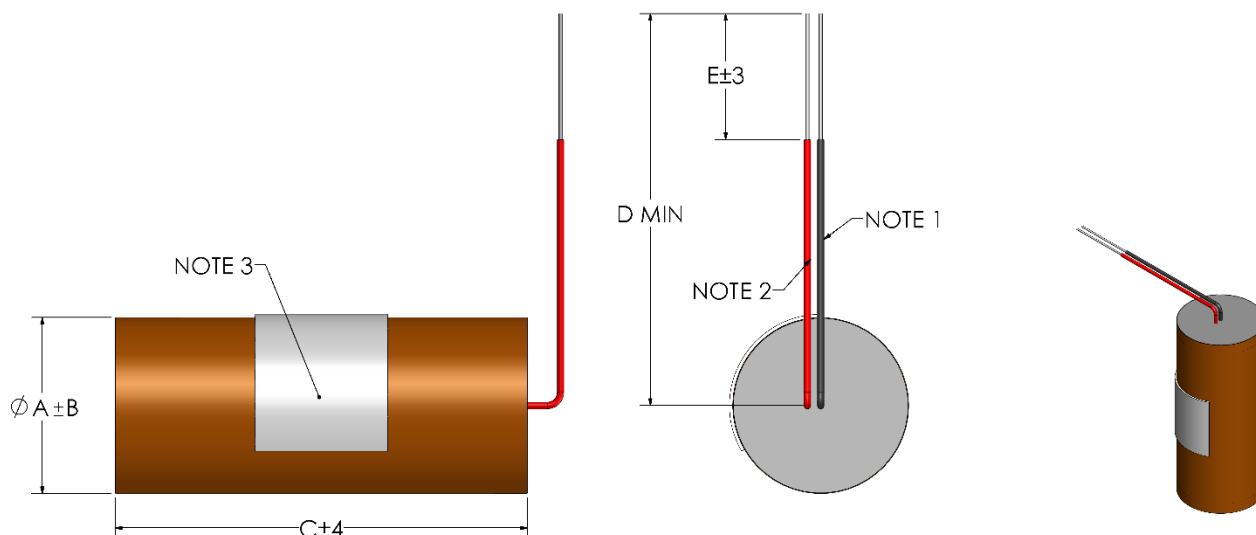
(date code, lot number, serial number)

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	CHK BY	CHK BY	APP BY	DATE
1	Initial Release	-	-	-	-



		Advanced Conversion 81 PARKER ROAD BARRE, VT 05641 USA Tel. 802.661.3450 ext. 104	
TITLE GORE 200C FILM CAPACITOR		SHEET 1 OF 1	
DRAWN: AAS CHECKED: - DATE: 8/23/2014	DWG. NO. 8031G	PROPRIETARY AND CONFIDENTIAL THIS INFORMATION IS UNCLASSIFIED AND IS NOT TO BE RELEASED TO THE PUBLIC WITHOUT THE WRITTEN PERMISSION OF ADVANCED CONVERSION CORP.	

Part Number	Capacitance (uF)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
8031G025-XX-X	25	28	2.5	62	66	19
8031G030-XX-X	30	28	2.5			
8031G040-XX-X	40	34	2.5			
8031G050-XX-X	50	34	2.5			
8031G060-XX-X	60	44	2.5			
8031G070-XX-X	70	47	2.5			
8031G080-XX-X	80	50	2.5			
8031G090-XX-X	90	52	2.5			
8031G100-XX-X	100	54	2.5			

Advanced Conversion retains the right to amend this datasheet without notice.

Revision Table		
Revision	Description	Date
Document Rev 1.1	Initial Release	11/1/2024
Document Rev 1.2	Include 25uF Standard Part	5/21/2025
Document Rev 1.3	Include GORE Logo and slight spatial adjustments to Page 1 text	7/9/2025
Document Rev 1.4	Added diameter tolerance to table	8/27/25