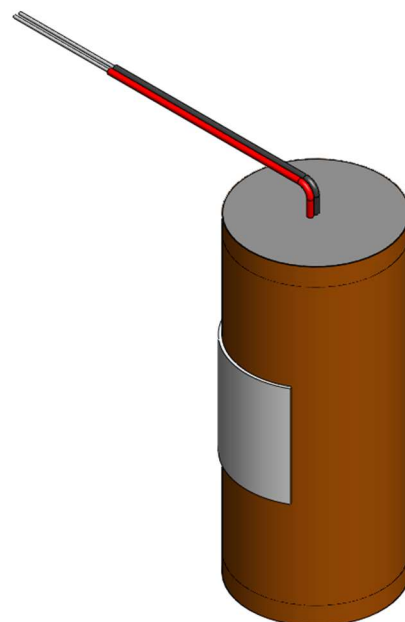


High-Temperature Film Capacitors



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:

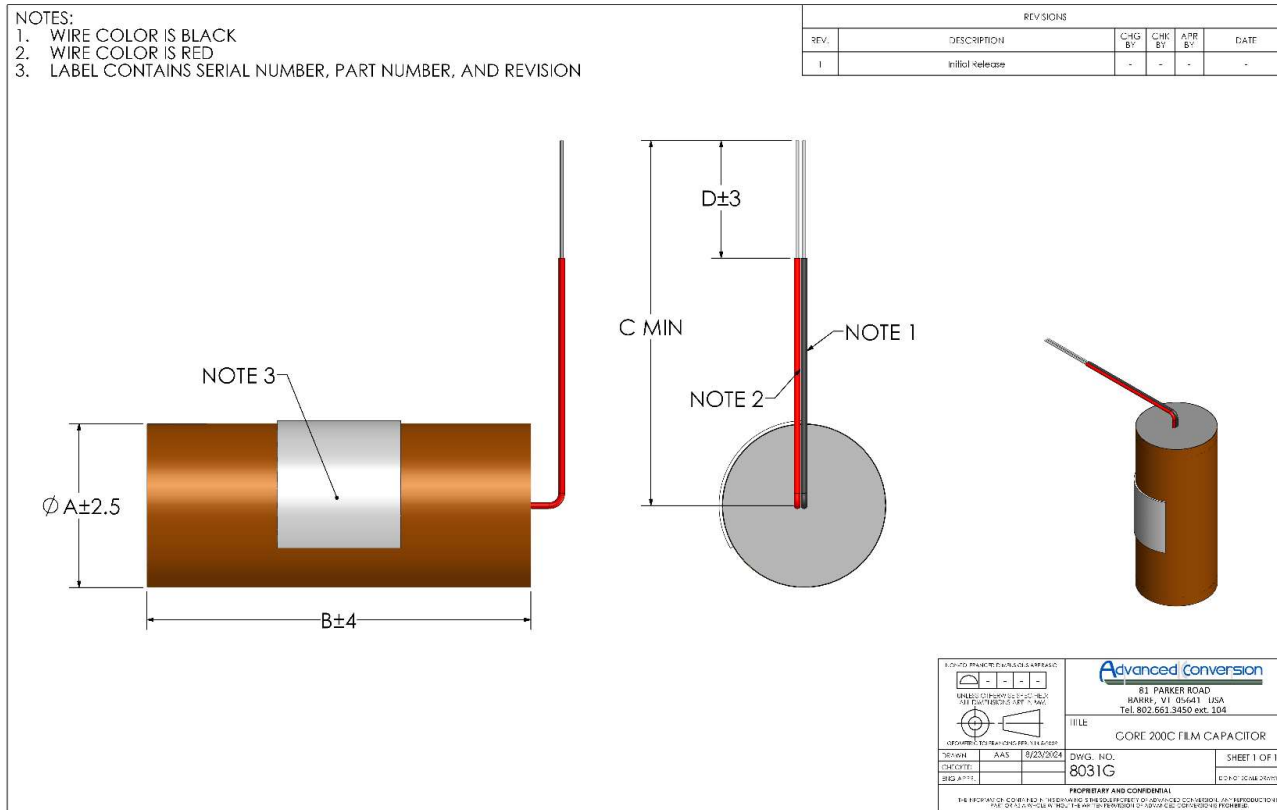
400 VDC

Serial Number:

yyww-lot#-unit

(date code, lot number, serial number)

Layout Detail:



Part Number	Capacitance (uF)	A (mm)	B (mm)	C (mm)	D (mm)
8031G025-XX-X	25	26	62	66	19
8031G030-XX-X	30	29			
8031G040-XX-X	40	34			
8031G050-XX-X	50	39			
8031G060-XX-X	60	44			
8031G070-XX-X	70	47			
8031G080-XX-X	80	50			
8031G090-XX-X	90	52			
8031G100-XX-X	100	54			

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