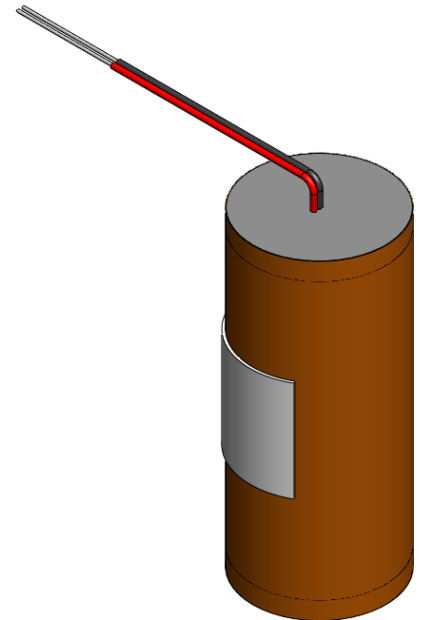


High-Temperature Film Capacitors



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:** < 300 mΩ typical
- Operating Temperature:** -50°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%

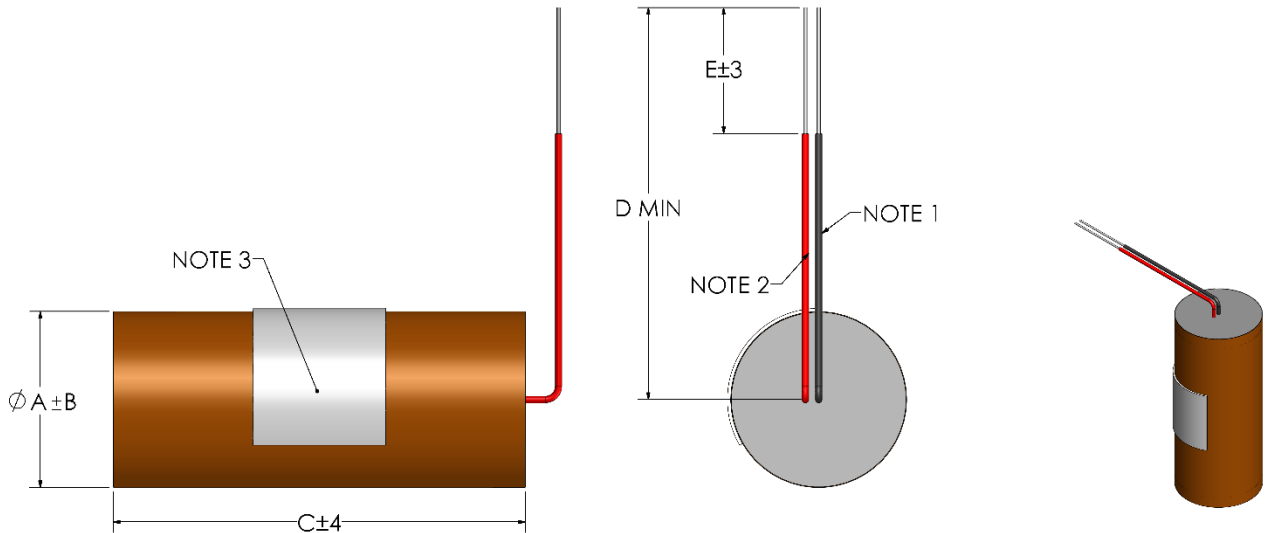
DC Voltage Rating: 400 VDC

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	-	-	-	-	-



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TITLE GORE 200C FILM CAPACITOR		SHEET 1 OF 1	
DRAWN: AAS CHECKED: - DATE: -	8/29/2014	DWG. NO. 8031G	SHEET 1 OF 1
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Part Number	Capacitance (uF)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
8031G025-XX-X	25	28	2.5	62	620	19
8031G030-XX-X	30	30	2.5			
8031G040-XX-X	40	35	2.5			
8031G050-XX-X	50	40	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.