



CAPACITOR SPECIFICATION

PART NUMBER: 31938

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.18	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10, -10	%		
RATED VOLTAGE:	100	kV		
TEST VOLTAGE:	110	kV	100%	60 sec HIPOT
RATED ENERGY:	900	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	50	kA		
MAX. CONTINUOUS REP RATE:	1	pps		
MAX. RMS CURRENT	35	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	1.0E+05	charge / discharge cycles		
DC LIFE:	2E+03	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.40	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	40	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	Single-Ended Plastic Case (Type "SS")			
BUSHING:	100 kV "SS"			
TERMINALS:	2 ea RAILS with 2 ea 10-32 UNF-2B Threaded Holes			
DIMENSIONS:	4.0 x 6.0 x 29.0	inches		
	102 x 152 x 737	mm		
WEIGHT:	32.9	lbs		
	15.0	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

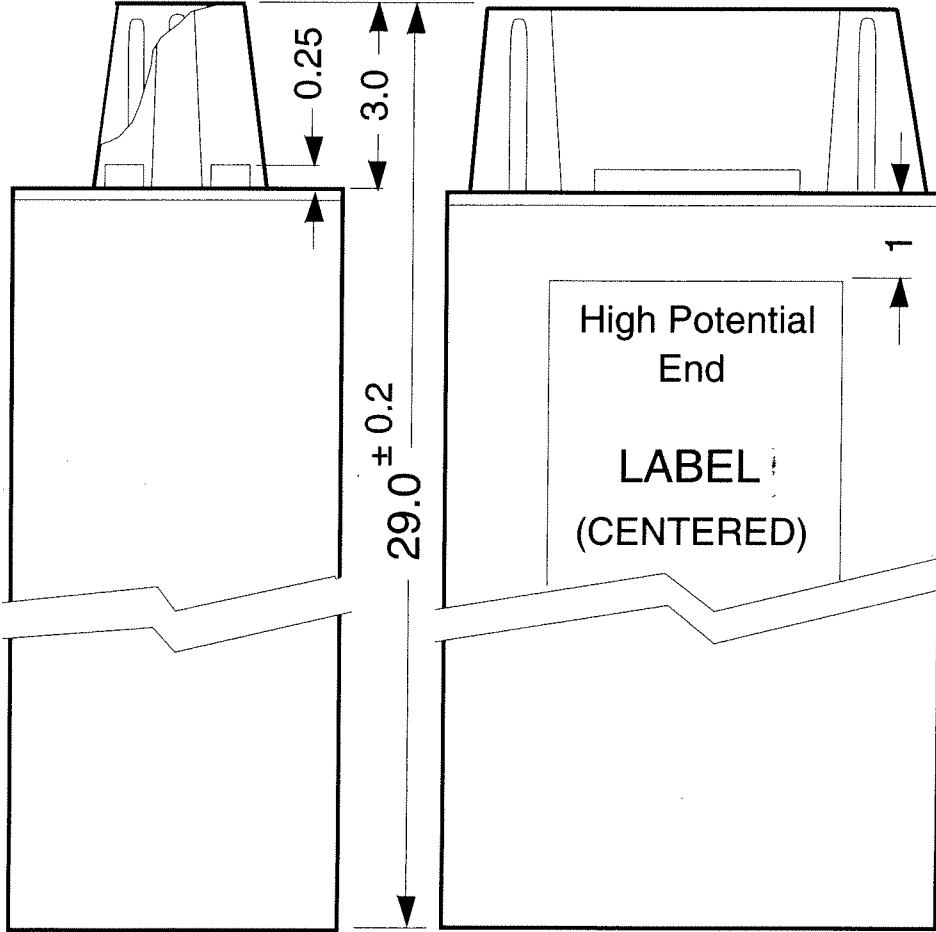
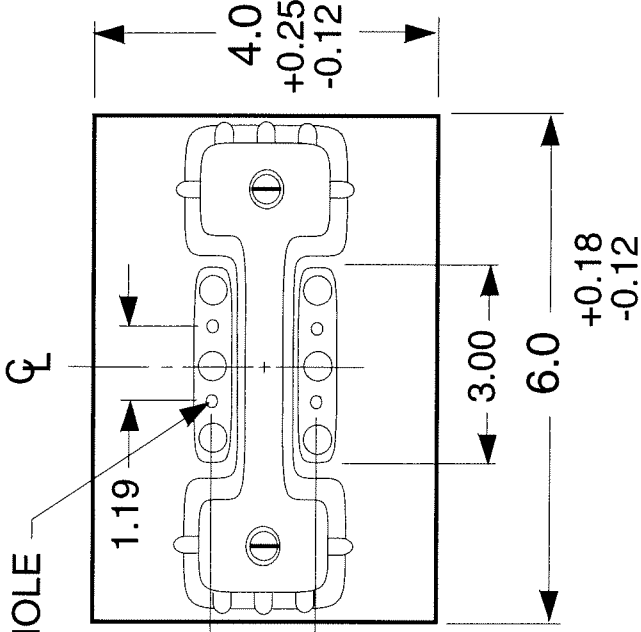
NOTE 2: CO IMPREGNANT (non-PCB)

NOTE 3: > 75kV REQUIRES OPERATION UNDER OIL OR DIELECTRIC GAS

*R.T. = room temperature

	SIZE A	FSCM 58307	DRAWING NUMBER 31938	REV LTR A
	SHEET			

10-32 UNC x 0.25 HOLE
4 PLCS



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING		PART No. 31938 0.18 uF ± 10 %, 100 kV	
SIZE A	FSCM 58307	DRAWING NUMBER 31938	REV LTR A
SCALE NONE	DATE 09/16/03	PAGE 9 OF 9	
CONTRACT NUMBER		DATE	
PREPARED		CHECKED	
ENGINEER		DESIGN ACTIVITY APPROVAL	
APPROVED		GOVERNMENT ACTIVITY APPROVAL	
PROJECT MANAGER		PROJECT ENGINEER	
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		CHECKED BY DRAWN BY J Bates	
NEXT ASSY	USED ON	APPLICATION	