



CAPACITOR SPECIFICATION

PART NUMBER: 31163

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.09	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10, -10	%		
RATED VOLTAGE:	75.0	kV		
TEST VOLTAGE:	80.0	kV	100%	60 sec HIPOT
RATED ENERGY:	253	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	25	kA		
MAX. CONTINUOUS REP RATE:	1	pps		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	3.0E+04	charge / discharge cycles		
DC LIFE:	<500	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.50	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	20	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	TYPE S			
BUSHING:	RAILS			
ELECTRODE STUD:	10-32 x .25 UNF			
DIMENSIONS:	2.30 x 5.90 x 12.8	inches		
	58 x 150 x 325	mm		
WEIGHT:	8.0	lbs		
	3.6	kg		

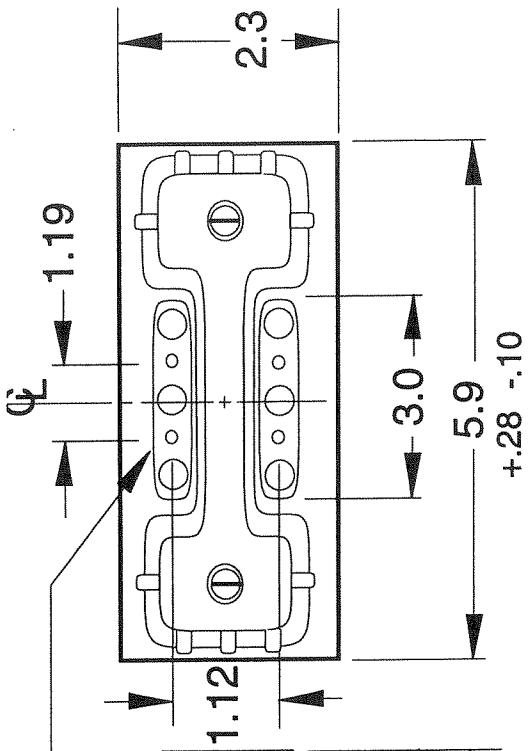
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

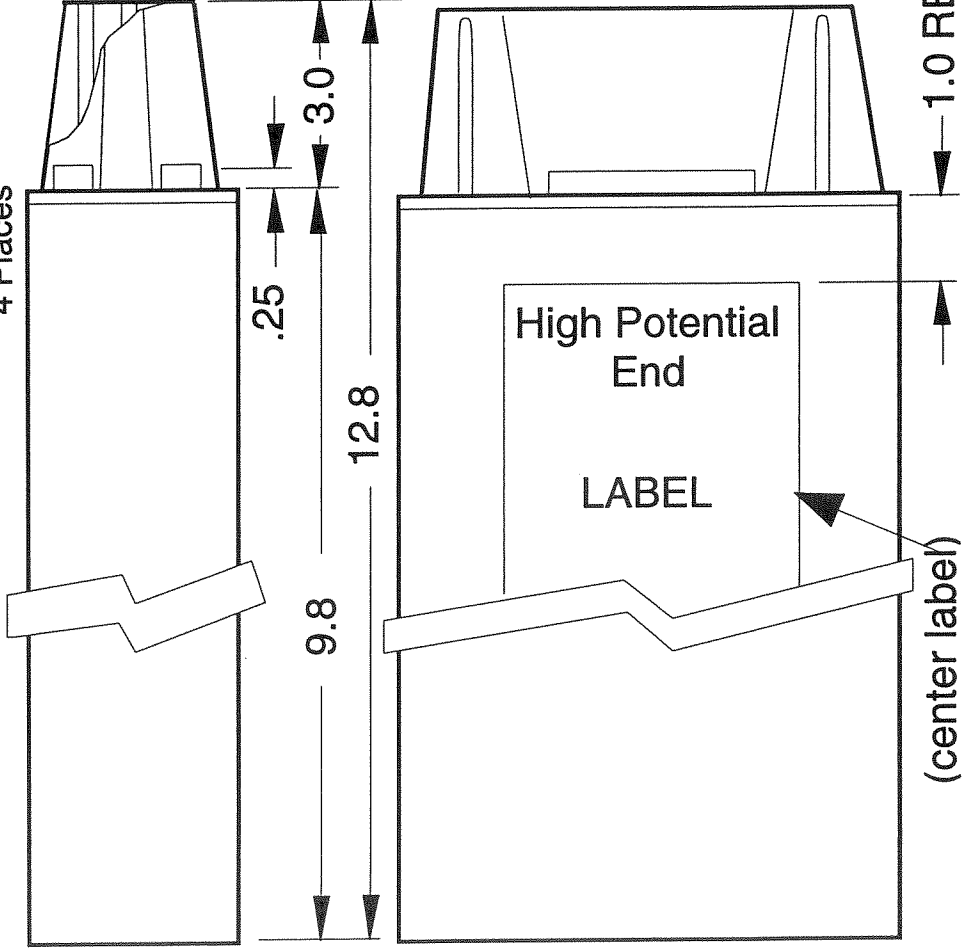
NOTE 2: CO IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	31163	C
			SHEET	2



10-32 UNC x .25
4 Places



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING		PART No. 31163 0.090 uF ± 10 %, 75.0 kV	
SIZE A	FSCM 58307	DRAWING NUMBER 31163	REV LTR C
SCALE NONE	DATE	PAGE 9 OF 9	
CONTRACT NUMBER		DATE	
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		PREPARED	CHECKED
PROJECT MANAGER		ENGINEER	DESIGN ACTIVITY APPROVAL
PROJECT ENGINEER		GOVERNMENT ACTIVITY APPROVAL	
APPROVED			
CHECKED BY			
DRAWN BY			
NEXT ASSY	USED ON		
APPLICATION			