



GENERAL ATOMICS

Energy Products

GENERAL ATOMICS ELECTRONIC SYSTEMS

CAPACITORS AND POWER SUPPLIES

CAPACITOR SPECIFICATION

PART NUMBER: **32936**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	80	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	20.0	kV		
TEST VOLTAGE:	22.0	kV	100%	60 sec HIPOT
RATED ENERGY:	16.0	kJ		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	50	%		
RATED PEAK CURRENT:	50	kA		
MAX. PEAK CURRENT:	75	kA		
MAX. RMS CURRENT	50	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	4.0E+04	charge / discharge cycles		
DC LIFE:	200	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.50	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	50	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	WELDED METAL CAN			
BUSHING:	1 ea 25 kV LOW PROFILE			
ELECTRODE STUD:	1/2-13 UNC			
DIMENSIONS:	9.0 x 14.0 x 26.5	inches		
	229 x 356 x 673	mm		
APPROXIMATE WEIGHT:	217	lbs		
	99	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

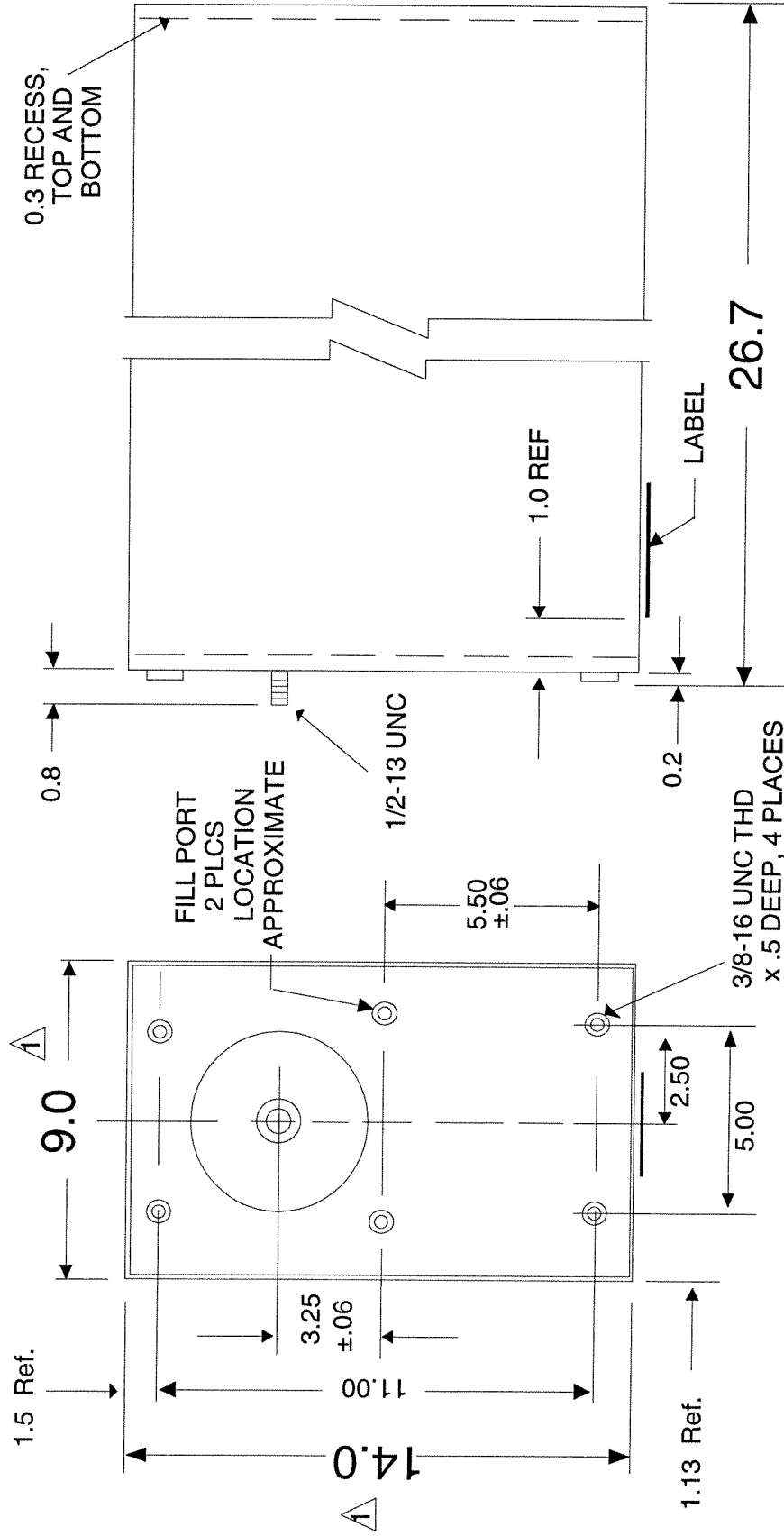
NOTE 2: CO IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE A	FSCM 58307	DRAWING NUMBER 32936	REV LTR A
			SHEET	2

NOTES:

1. DIMENSIONS HELD 2.0 UP FROM BASE & DOWN FROM COVER.
0.38 MAX BOW ALLOWABLE PER PANEL.
2. MAXIMUM TORQUE ON HV ELECTRODE IS 20 FT-LBS



<p>GENERAL ATOMICS Energy Products</p>		<p>ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123</p>	
<p>TITLE OUTLINE DRAWING</p>		<p>CONTRACT NUMBER</p>	
<p>SIZE A</p>		<p>DATE</p>	
<p>FSCM 58307</p>		<p>PREPARED</p>	
<p>DRAWING NUMBER 32936</p>		<p>CHECKED</p>	
<p>SCALE NONE</p>		<p>ENGINEER</p>	
<p>REV LTR A</p>		<p>DESIGN ACTIVITY APPROVAL</p>	
<p>DATE 08/24/06</p>		<p>GOVERNMENT ACTIVITY APPROVAL</p>	
<p>PAGE 9 OF 9</p>		<p>DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010</p>	
<p>PROJECT MANAGER</p>		<p>PROJECT ENGINEER J GILBERT</p>	
<p>APPROVED</p>		<p>CHECKED BY</p>	
<p>DRAWN BY J GILBERT</p>		<p>USED ON</p>	
<p>APPLICATION</p>		<p>REVISIONS</p>	