



CAPACITOR SPECIFICATION

PART NUMBER: 32931

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	959	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	11.0	kV		
TEST VOLTAGE:	12.0	kV	100%	60 sec HIPOT
RATED ENERGY:	58.0	kJ		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REVERSAL:	80	%	100 %	1 CYCLE
RATED PEAK CURRENT:	25	kA		
MAX. PEAK CURRENT (FAULT):	40	kA	100 %	1 CYCLE
MAX. CW RMS CURRENT:	57	Amps RMS		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	3.0E+03	charge / discharge cycles		
DC LIFE:	1.0E+01	charge / discharge cycles		
RELIABILITY AT RATED LIFE:	90	%		
MAX. DISSIPATION FACTOR:	2.00	%	100%	1000 Hz, R.T.
MAXIMUM INDUCTANCE:	200	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE:	1000	Mohm-uF	SAMPLE	DECAY Vr/23oC/120s/120s
CASE STYLE:	WELDED METAL CAN			
BUSHING:	1 ea 25 kV LOW PROFILE			
ELECTRODE:	1/2-13 UNC-2A			
CASE TERMINAL:	4 ea 3/8-16 UNC x 0.5" DEEP			
DIMENSIONS:	12.0 x 16.0 x 13.0	inches		
	305 x 406 x 330	mm		
APPROXIMATE WEIGHT:	99	lbs		
	45	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

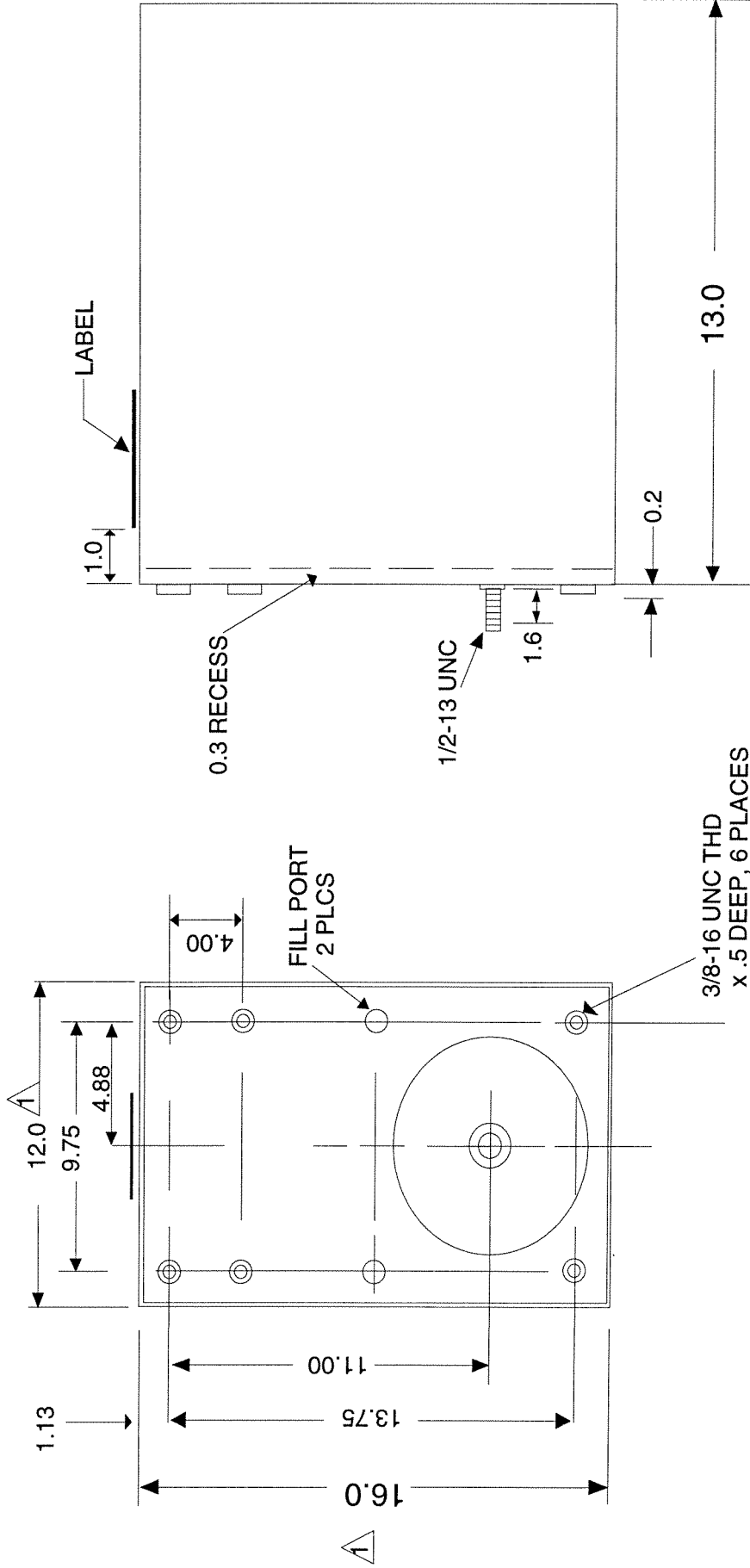
NOTE 2: RSO IMPREGNANT (non-PCB)

*R.T. = room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	32931	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>DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010</p>		<p>CONTRACT NUMBER</p>		<p>GENERAL ATOMICS ELECTRONIC SYSTEMS INC Energy Products 4949 GREENCRAIG LANE SAN DIEGO CA. 92123</p>	
<p>PROJECT MANAGER</p>		<p>DATE</p>		<p>TITLE</p>	
<p>PROJECT ENGINEER</p>		<p>PREPARED</p>		<p>OUTLINE DRAWING</p>	
<p>APPROVED</p>		<p>CHECKED</p>		<p>CAPACITOR, MODEL 32931</p>	
<p>CHECKED BY</p>		<p>ENGINEER</p>		<p>959 uF ± 10 %, 11.0 kV</p>	
<p>DRAWN BY</p>		<p>DESIGN ACTIVITY APPROVAL</p>		<p>SIZE FSCM DRAWING NUMBER REV LTR</p>	
<p>COMPONENTS USED ON APPLICATION</p>		<p>GOVERNMENT ACTIVITY APPROVAL</p>		<p>A 58307 32931 A</p>	
<p>SCALE NONE</p>		<p>DATE 05/31/06</p>		<p>PAGE 9 OF 14</p>	