



GENERAL ATOMICS

Energy Products

GENERAL ATOMICS ELECTRONIC SYSTEMS

CAPACITORS AND POWER SUPPLIES

CAPACITOR SPECIFICATION

PART NUMBER: **33001**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	240	uF	100%	120 Hz, R.T.*
TOLERANCE:	+15 , -5	%		
RATED VOLTAGE:	5.0	kV		
TEST VOLTAGE:	5.5	kV	100%	60 sec HIPOT
RATED ENERGY:	3	kJ		
RATED VOLTAGE REVERSAL:	80	%		
MAX. VOLTAGE REVERSAL:	90	%		
MAX. PEAK CURRENT:	100	kA		
MAX. CONTINUOUS REP RATE:	4	ppm		
MAX. RMS CURRENT	75	A		
MAX. OPERATING TEMP.	-10	°C		
MIN. OPERATING TEMP.	40	°C		
DESIGN LIFE AT RATED:	1.0E+05	charge / discharge cycles		
DC LIFE:	500	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.50	%	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:	WELDED COLD ROLLED STEEL			
BUSHING:	25 kV LOW PROFILE			
ELECTRODE STUD:	1/2-13 UNC STUD			
DIMENSIONS:	7.25 x 14.0 x 24.31	inches		
	184 x 356 x 617	mm		
WEIGHT:	140.4	lbs		
	63.8	kg		

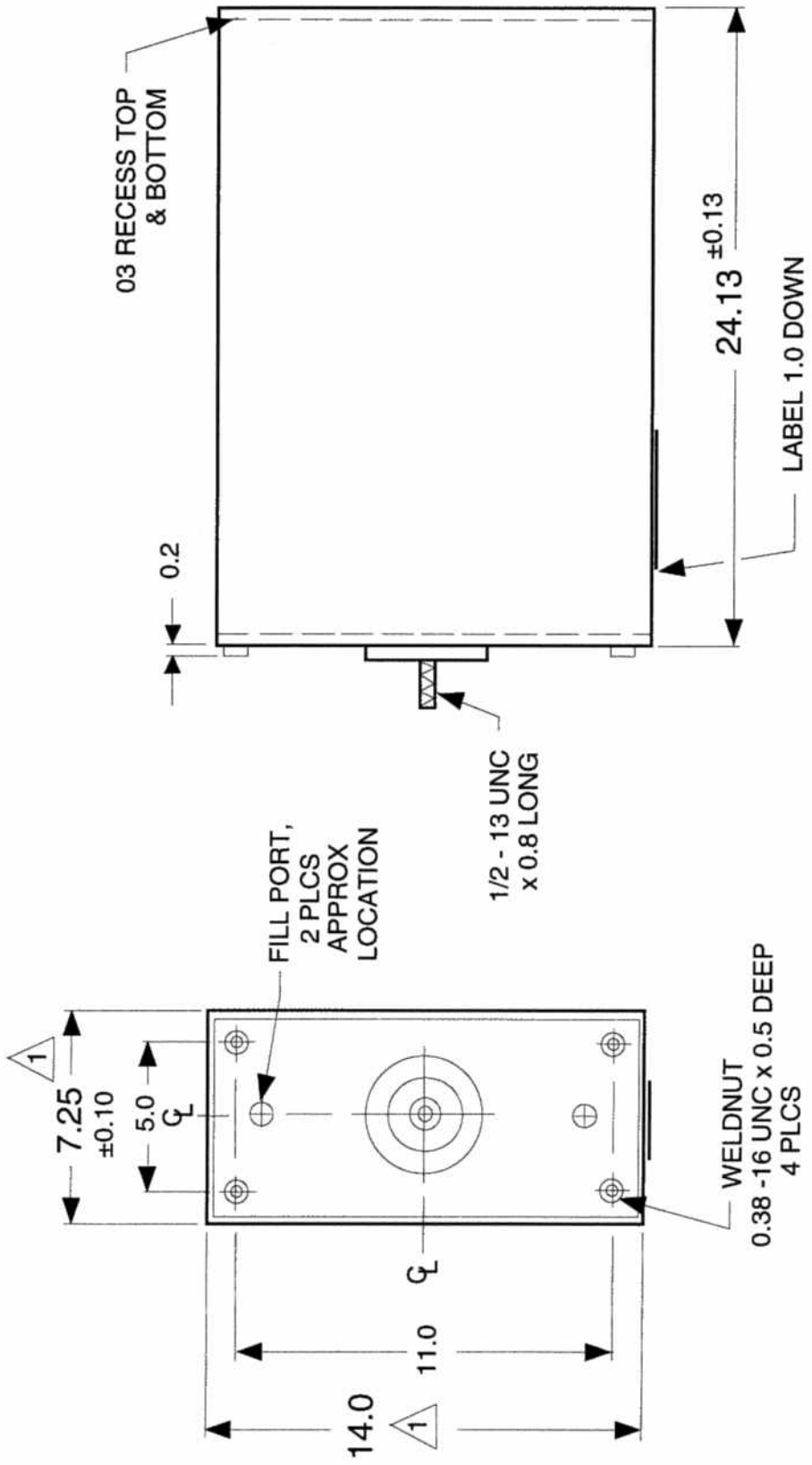
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: Castor Oil IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	33001	U
			SHEET	2



NOTE: 1) DIMENSIONS HELD 2.0 UP FROM BASE & DOWN FROM COVER. 0.25 MAX. BOW PER PANEL.
 2) STAMP BUSHING: " 20 FT-LBS MAX"

GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING		PART No. 33001 240 uF +15, -5 %, 5.0 kV	
SIZE A	FSCM 58307	DRAWING NUMBER 33001	REV LTR U
SCALE NONE		DATE 06/22/99	PAGE 9 OF 9
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		CONTRACT NUMBER	
PROJECT MANAGER		DATE	
PROJECT ENGINEER		PREPARED	
APPROVED		CHECKED	
CHECKED BY		ENGINEER	
DRAWN BY		DESIGN ACTIVITY APPROVAL	
J Bates		GOVERNMENT ACTIVITY APPROVAL	
NEXT ASSY	USED ON	APPLICATION	