



CAPACITOR SPECIFICATION

PART NUMBER: **33593**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	50	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10, -10	%		
RATED VOLTAGE:	20.0	kV		
TEST VOLTAGE:	21.0	kV	100%	60 sec HIPOT
RATED ENERGY:	10	kJ		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	100	kA		
MAX. CONTINUOUS REP RATE:	4	ppm		
MAX. RMS CURRENT	75	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	1.0E+05	charge / discharge cycles		
DC LIFE:	250	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.60	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	60	nH		SAMPLE STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF		SAMPLE DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	WELDED COLD ROLLED STEEL			
BUSHING:	2 ea 20 kV LOW PROFILE			
ELECTRODE STUD:	1/2-13 UNC STUD			
DIMENSIONS:	7.25 x 14.0 x 24.63	inches		
	184 x 356 x 626	mm		
WEIGHT:	145	lbs		
	66	kg		

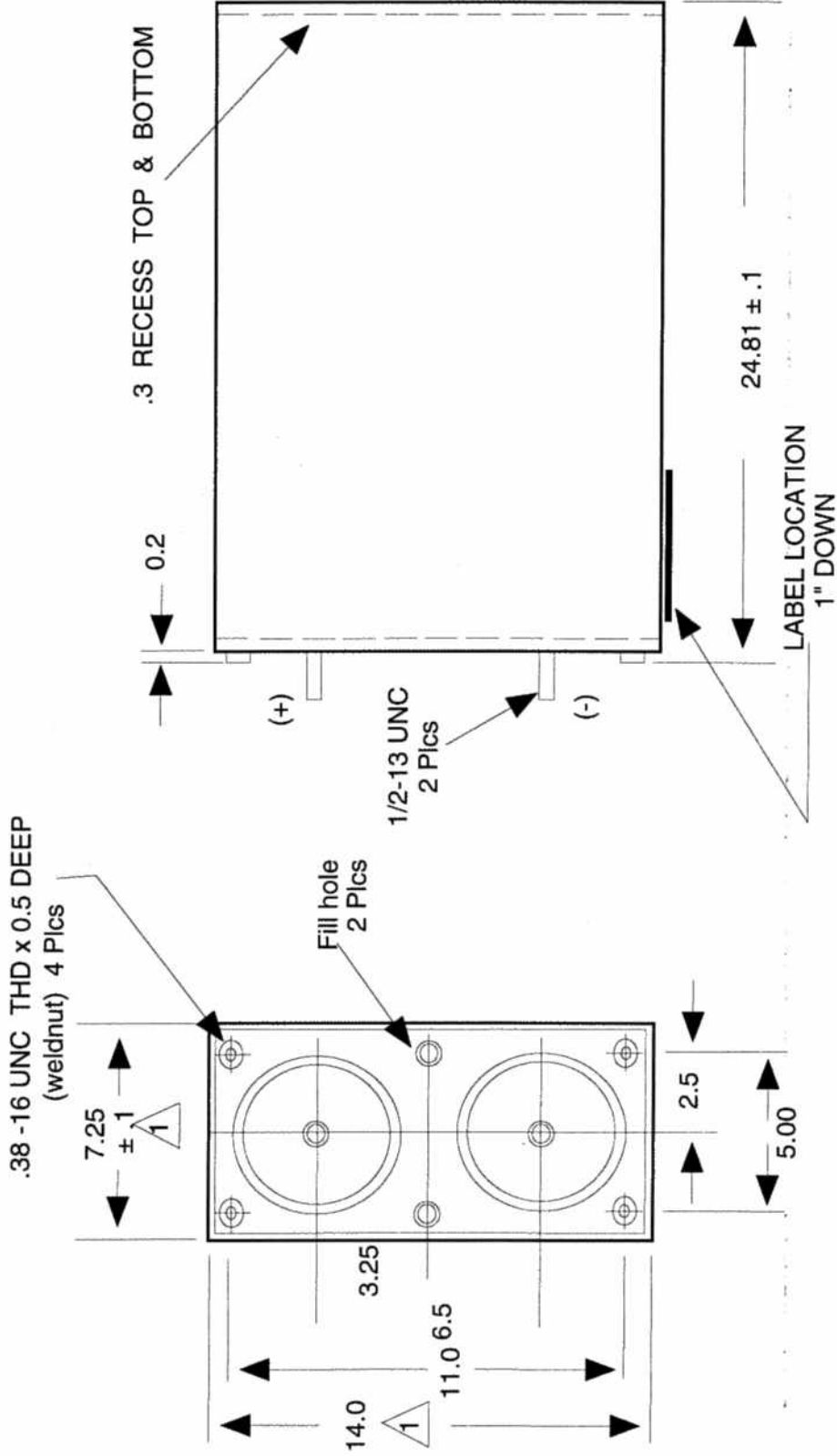
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: Castor Oil IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE A	FSCM 58307	DRAWING NUMBER 33593	REV LTR K
			SHEET	2



NOTES 1: DIMENSIONS HELD 2" UP FROM BASE & DOWN FROM COVER. .25" MAX. BOW PER PANEL.
 2: STAMP BUSHING: "20 F.-LBS. MAX"

GENERAL ATOMICS Energy Products ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123		CONTRACT NUMBER DATE PREPARED CHECKED ENGINEER DESIGN ACTIVITY APPROVAL GOVERNMENT ACTIVITY APPROVAL	
OUTLINE DRAWING PART No. 33593 50 uF ± 10 %, 20.0 kV		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010	
SIZE A FSCM 58307	DRAWING NUMBER 33593	PROJECT MANAGER PROJECT ENGINEER APPROVED CHECKED BY DRAWN BY	Joel Ennis Joel Ennis Joel Ennis
SCALE NONE	DATE 10/3/96	USED ON APPLICATION	REV LTR K PAGE 9 OF 9