



GENERAL ATOMICS

Energy Products

GENERAL ATOMICS ELECTRONIC SYSTEMS

CAPACITORS AND POWER SUPPLIES

CAPACITOR SPECIFICATION

PART NUMBER: 32937

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	1500	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	5.0	kV		
TEST VOLTAGE:	7.0	kV	100%	60 sec HIPOT
RATED ENERGY:	18.8	kJ		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REVERSAL:	30	%	100 %	1 CYCLE
RATED PEAK CURRENT:	15	kA		
MAX. PEAK CURRENT (FAULT):	30	kA	100 %	1 CYCLE
MAX. CW RMS CURRENT:	100	Amps RMS		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	1.0E+08	charge / discharge cycles		
DC LIFE:	1.0E+05	hours		
RELIABILITY AT RATED LIFE:	90	%		
MAX. DISSIPATION FACTOR:	1.00	%	100%	1000 Hz, R.T.
MAXIMUM INDUCTANCE:	400	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE:	1000	Mohm-uF	SAMPLE	DECAY Vr/23°C/120s/120s
CASE STYLE:	WELDED METAL CAN			
BUSHING:	2 ea 25 kV LOW PROFILE			
ELECTRODE:	M12 x 1.75 - 6g			
CASE TERMINAL:	4 ea M10 x 1.5 - 6H x 12mm DEEP			
DIMENSIONS:	12.0 x 16.0 x 19.0	inches		
	305 x 406 x 483	mm		
APPROXIMATE WEIGHT	144.97	lbs		
	65.90	kg		

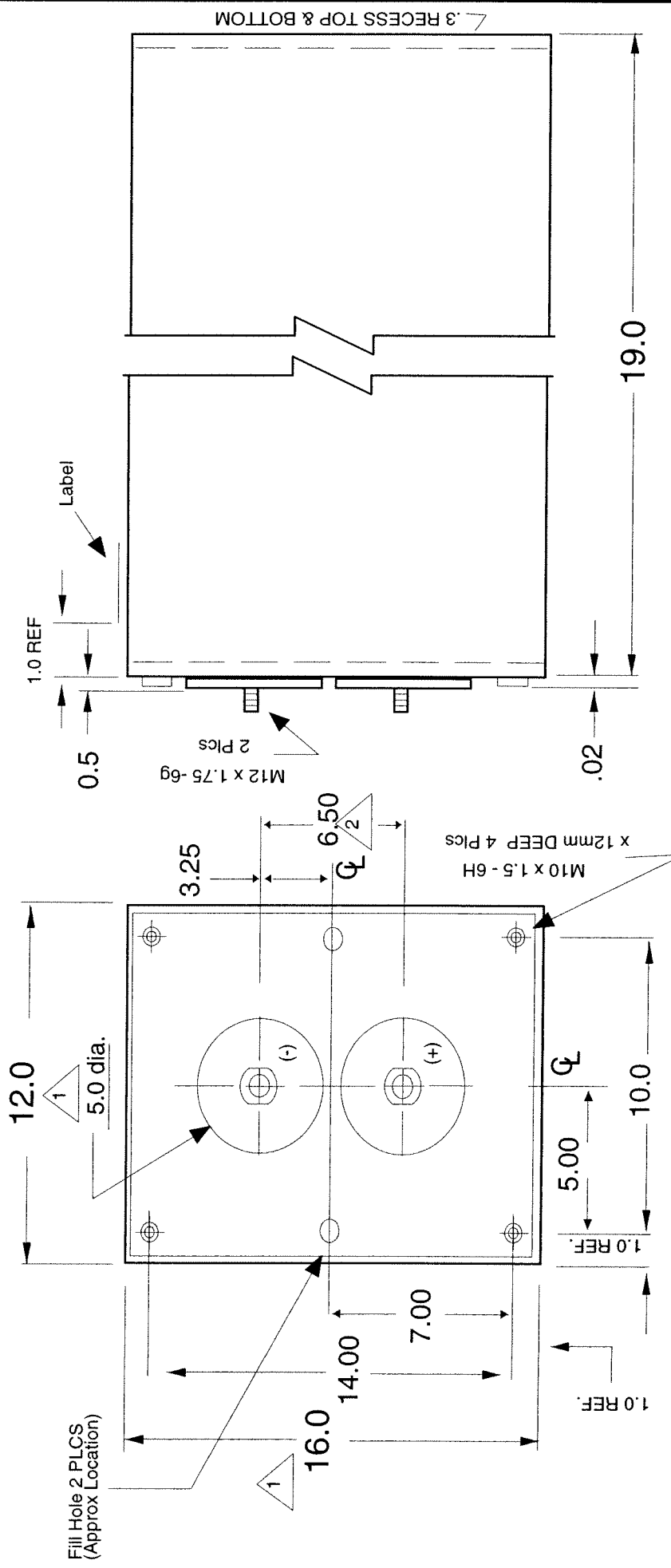
NOTES:

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	32937	C
	SHEET			2



Dimensions held 2" up from base and down from top. 0.38" bow maximum per panel.

Measured at base of electrode, to ± 0.06

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	
COMPONENTS USED ON APPLICATION		ENGINEER	
CHECKED BY		DESIGN ACTIVITY APPROVAL	
DRAWN BY		GOVERNMENT ACTIVITY APPROVAL	
GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING			
CAPACITOR, PART NO. 32937 1500 uF ± 10 %, 5.0 kV			
SIZE A	FSCM 58307	DRAWING NUMBER 32937	REV LTR C
SCALE NONE	DATE 07/12/2006	PAGE 13 of 13	