

CAPACITOR SPECIFICATION

PART NUMBER: **32953**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	2000	μF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	5.0	kVdc		
TEST VOLTAGE:	5.2	kVdc	100%	60 sec HIPOT
RATED ENERGY:	25	kJ		
RATED VOLTAGE REVERSAL:	75	%		
MAX. VOLTAGE REVERSAL:	100	FAULT %		
RATED PEAK CURRENT:	35	kA		
MAX. PEAK CURRENT:	70	FAULT kA		
MAX. RMS CURRENT	125	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	3.4E+07	charge / discharge cycles		
DC LIFE:	1.4.E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	1	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	250	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	WELDED STEEL CAN			
BUSHING:	2 ea 25 kV LOW PROFILE			
ELECTRODE STUD:	1/2-13 UNC STUD			
CASE TERMINAL:	4 ea 3/8-16 UNC x 0.5 DEEP			
DIMENSIONS:	13.5 x 16 x 36	inches		
	343 x 406 x 914	mm		
APPROXIMATE WEIGHT:	295	lbs		
	134	kg		

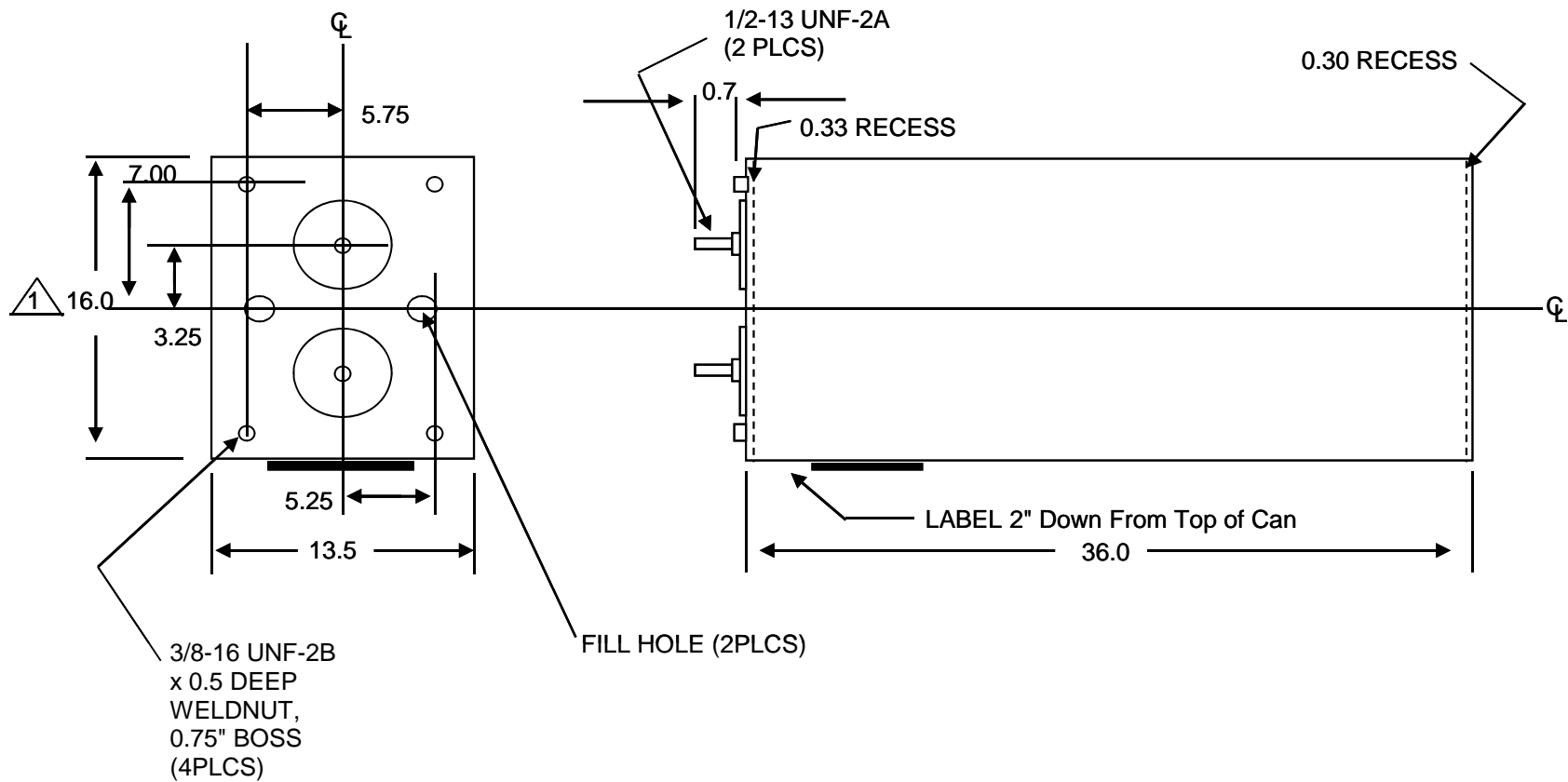
NOTES:


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
	A	58307	32953	A
	SHEET 2			



- NOTES: 1.  DIMENSIONS HELD WITHIN 2.0" OF TOP AND BOTTOM. ALLOW FOR 0.50" MAXIMUM BOW PER PANEL
- 2: STAMP BUSHINGS: "20 FT.- LBS. MAX"

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .X ± .1 ± 2° .XX ± .03 .XXX ± .010 DO NOT SCALE DRAWING	CONTRACT NO.		 4949 GREENCRAIG LANE SAN DIEGO, CA 92123 TITLE CAPACITOR PART No. 32953 2000 µF ± 10%, 5 kV				
			APPROVALS	DATE					
		TREATMENT	DRAWN			SIZE A	FSCM 58307	DRAWING NUMBER 32953	REV LTR A
		FINISH	CHECKED						
NEXT ASSY	USED ON	FINISH	ENGR	J. Gilbert					
APPLICATION		SIMILAR TO	DESIGN ACTIVITY						
		SPECIAL MARKING SYS	GOVERNMENT ACTIVITY			SCALE - NONE		DATE: 10/12/09	SHEET 10 of 10