

CAPACITOR SPECIFICATION

PART NUMBER: **33838**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	120	μF	100%	120 Hz, R.T.*
TOLERANCE:	±10	%		
RATED VOLTAGE:	10.0	kV		
TEST VOLTAGE:	11.0	kV	100%	60 sec HIPOT
RATED ENERGY:	6	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.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	1.0E+05	charge / discharge cycles		
DC LIFE:	5000	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.50	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	35	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	WELDED COLD ROLLED STEEL			
BUSHING:	20 kV LOW PROFILE			
ELECTRODE STUD:	1/2-13 UNC STUD			
DIMENSIONS:	8.0 x 14.0 x 24.13	inches		
	203 x 356 x 613	mm		
WEIGHT:	153.8	lbs		
	69.9	kg		

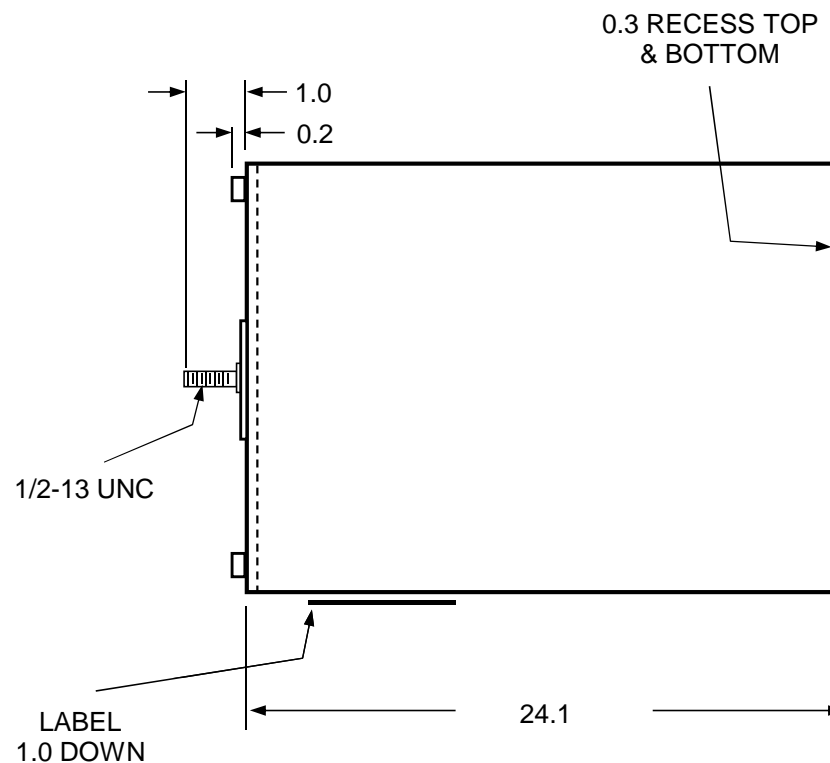
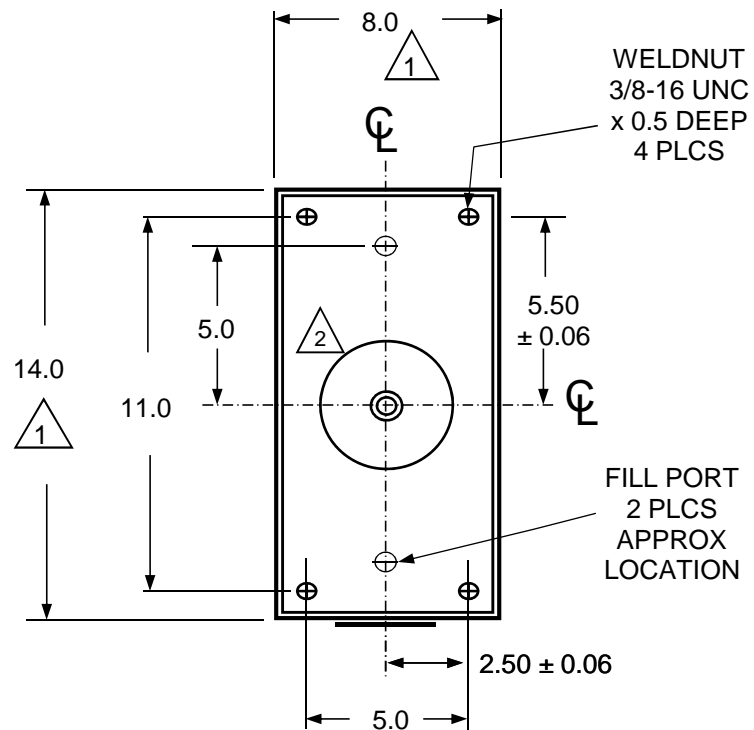
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection


NOTE 2: CASTOR OIL IMPREGNANT (non-PCB)

* R.T. = Room temperature (23 ± 7 °C)

SIZE	FSCM	DRAWING NUMBER	REV LTR
A	58307	33838	U
		SHEET 2	



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

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS .X ± .1 .XX ± .03 .XXX ± .010 ANGLES ± 2° DO NOT SCALE DRAWING	CONTRACT NO.		 4949 GREENCRAIG LANE SAN DIEGO, CA 92123 TITLE CAPACITOR PART No. 33838 120 μF ±10%, 10 kV			
			APPROVALS					
		TREATMENT	DRAWN					
		FINISH	CHECKED					
NEXT ASSY	USED ON	FINISH	ENGR		MARK C			
		SIMILAR TO	DESIGN ACTIVITY					
APPLICATION		SPECIAL MARKING SYS	GOVERNMENT ACTIVITY		SCALE - NONE		DATE: 3-10-90	SHEET 9 of 9
					SIZE A	FSCM 58307	DRAWING NUMBER 33838	REV LTR U