

## CAPACITOR SPECIFICATION

PART NUMBER:        **31938**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.18	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10 , -10	%		
RATED VOLTAGE:	100	kV		
TEST VOLTAGE:	110	kV	100%	60 sec HIPOT
RATED ENERGY:	900	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	50	kA		
MAX. CONTINUOUS REP RATE:	1	pps		
MAX. RMS CURRENT	35	A		
MAX. OPERATING TEMP.	40	°□C		
MIN. OPERATING TEMP.	-10	°□C		
DESIGN LIFE AT RATED:	1.0E+05	charge / discharge cycles		
DC LIFE:	2.0E+03	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.40	%	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:	Single-Ended Plastic Case (Type "SS")			
BUSHING:	100 kV "SS"			
TERMINALS:	2 ea RAILS with 2 ea 10-32 UNF-2B Threaded Holes			
DIMENSIONS:	4.0 x 6.0 x 29.0	inches		
	102 x 152 x 737	mm		
WEIGHT:	33.2	lbs		
	15.1	kg		

**NOTES:**

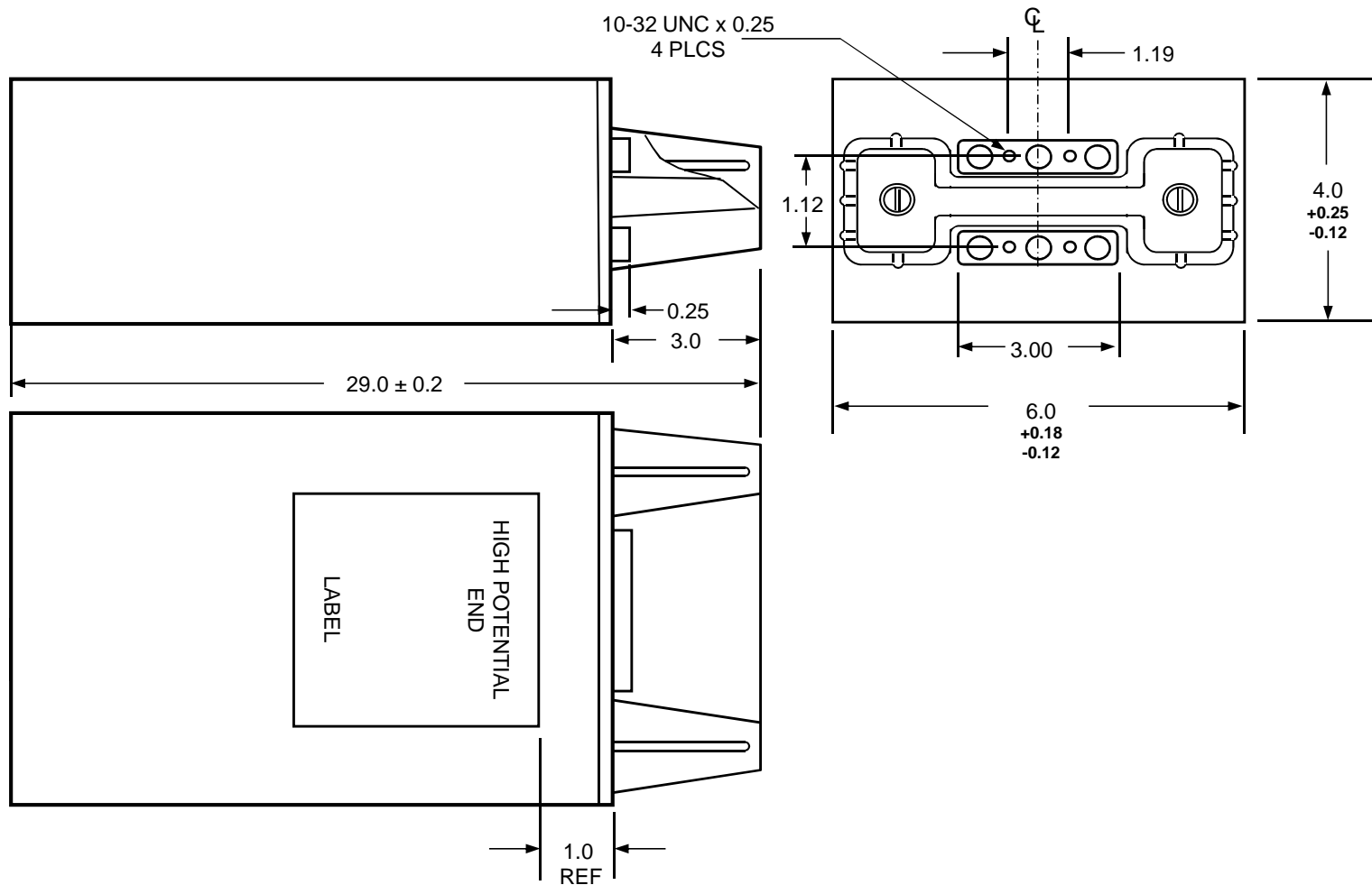
**NOTE 1:** LEAK TEST: 100 % test and inspection


**NOTE 2:** CO IMPREGNANT (non-PCB)

**NOTE 3:** > 75kV REQUIRES OPERATION UNDER OIL OR DIELECTRIC GAS

\* R.T. = Room temperature (23 ± 7 °C)

	<b>SIZE</b>	<b>FSCM</b>	<b>DRAWING NUMBER</b>	<b>REV</b>
	<b>A</b>	<b>58307</b>	<b>31938</b>	<b>B</b>
	<b>SHEET 2</b>			



		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					
			APPROVALS						DATE	
		TREATMENT	DRAWN				SIZE	FSCM	DRAWING NUMBER	REV LTR
		FINISH	CHECKED				<b>A</b>	<b>58307</b>	<b>31938</b>	<b>B</b>
NEXT ASSY	USED ON	SIMILAR TO	ENGR		JEG					
APPLICATION		SPECIAL MARKING SYS	DESIGN ACTIVITY				SCALE - NONE		DATE: 10/03/03	SHEET 9 of 9
			GOVERNMENT ACTIVITY							