

CAPACITOR SPECIFICATION

PART NUMBER: **31761**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	1.5	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	50	kV		
TEST VOLTAGE:	55	kV	100%	60 sec HIPOT
RATED ENERGY:	1.88	kJ		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	25	kA		
MAX. CONTINUOUS REP RATE:	1	pps		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	40	°□C		
MIN. OPERATING TEMP.	-10	°□C		
DESIGN LIFE AT RATED:	4.0E+04	NOTE 3 charge / discharge cycles		
DC LIFE:	300	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.50	%	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:	Single-Ended Plastic Case (Type "SS")			
BUSHING:	100 kV "SS" Header			
TERMINALS:	2 ea RAILS with 2 ea 10-32 UNF-2B Holes			
DIMENSIONS:	4.0 x 6.0 x 29	inches		
	102 x 152 x 737	mm		
WEIGHT:	33	lbs		
	15	kg		

NOTES:

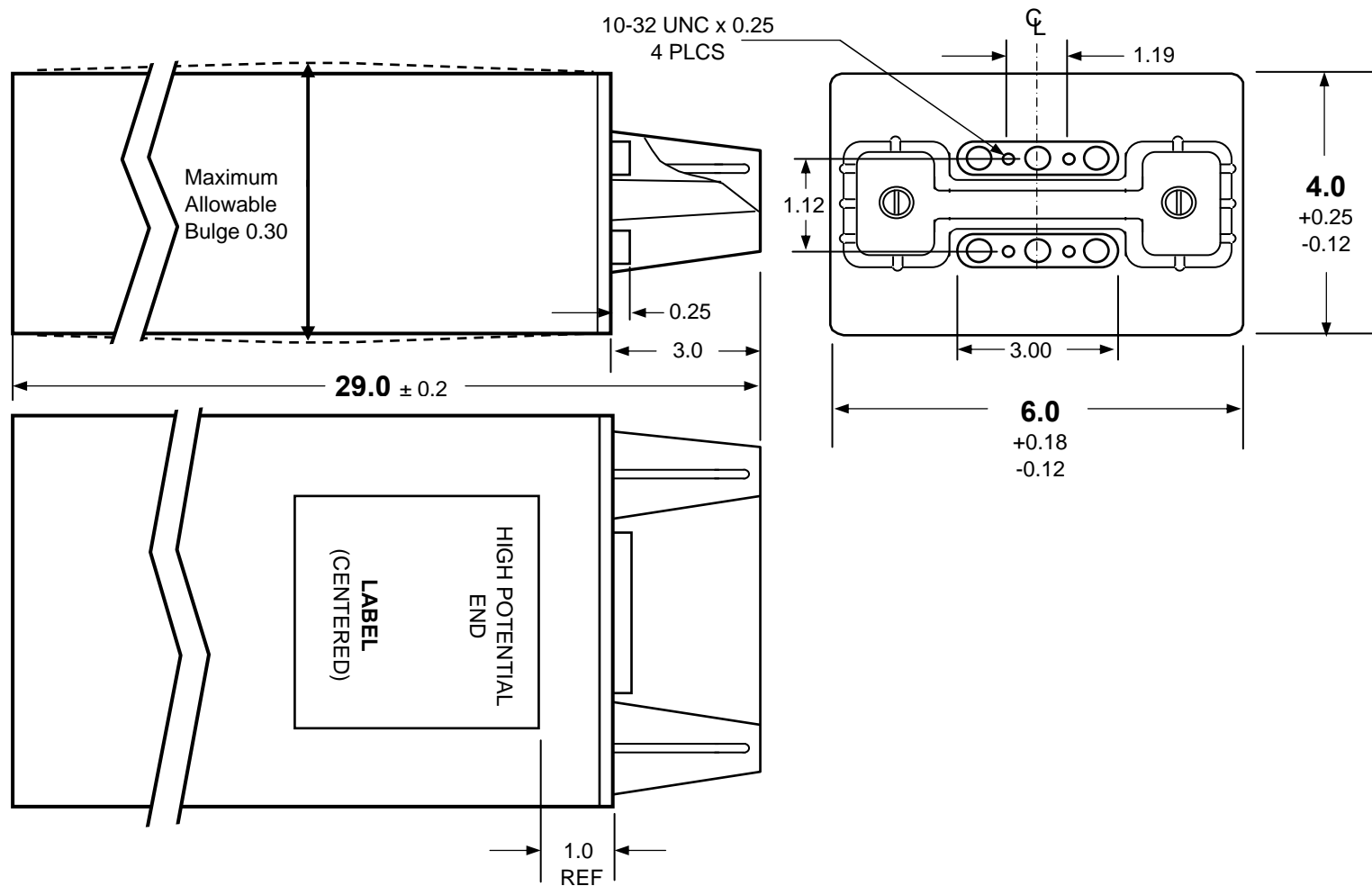
NOTE 1: LEAK TEST: 100 % test and inspection


NOTE 2: CO IMPREGNANT (non-PCB)

NOTE 3: Life at 40 kV, 20% VR = 1.0 E+05 charge / discharge cycles

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV
	A	58307	31761	A
	SHEET 2			



		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			TITLE CAPACITOR PART No. 31761 1.5 µF ± 10%, 50 kV	
		TREATMENT	DRAWN		SIZE	FSCM	DRAWING NUMBER	REV LTR
		FINISH	ENGR	JEG	A	58307	31761	A
NEXT ASSY	USED ON	SIMILAR TO	SPECIAL MARKING SYS	DESIGN ACTIVITY	SCALE - NONE		DATE: 10/21/20	SHEET 9 of 9
APPLICATION				GOVERNMENT ACTIVITY				