

CAPACITOR SPECIFICATION

PART NUMBER: **31159**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.15	uF	100%	120 Hz, R.T.*
TOLERANCE:	±10	%		
RATED VOLTAGE:	50	kV		
TEST VOLTAGE:	55	kV	100%	60 sec HIPOT
RATED ENERGY:	188	Joules		
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:	1.0E+05	charge / discharge cycles		
DC LIFE:	3.0E+03	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.50	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	20	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	Single-Ended Plastic Case (Type "S")			
BUSHING:	50 kV "S"			
TERMINALS:	2 ea RAILS with 2 ea 10-32 UNF-2B Threaded Holes			
DIMENSIONS:	2.30 x 5.90 x 9.8	inches		
	58 x 150 x 248	mm		
WEIGHT:	6.5	lbs		
	3.0	kg		

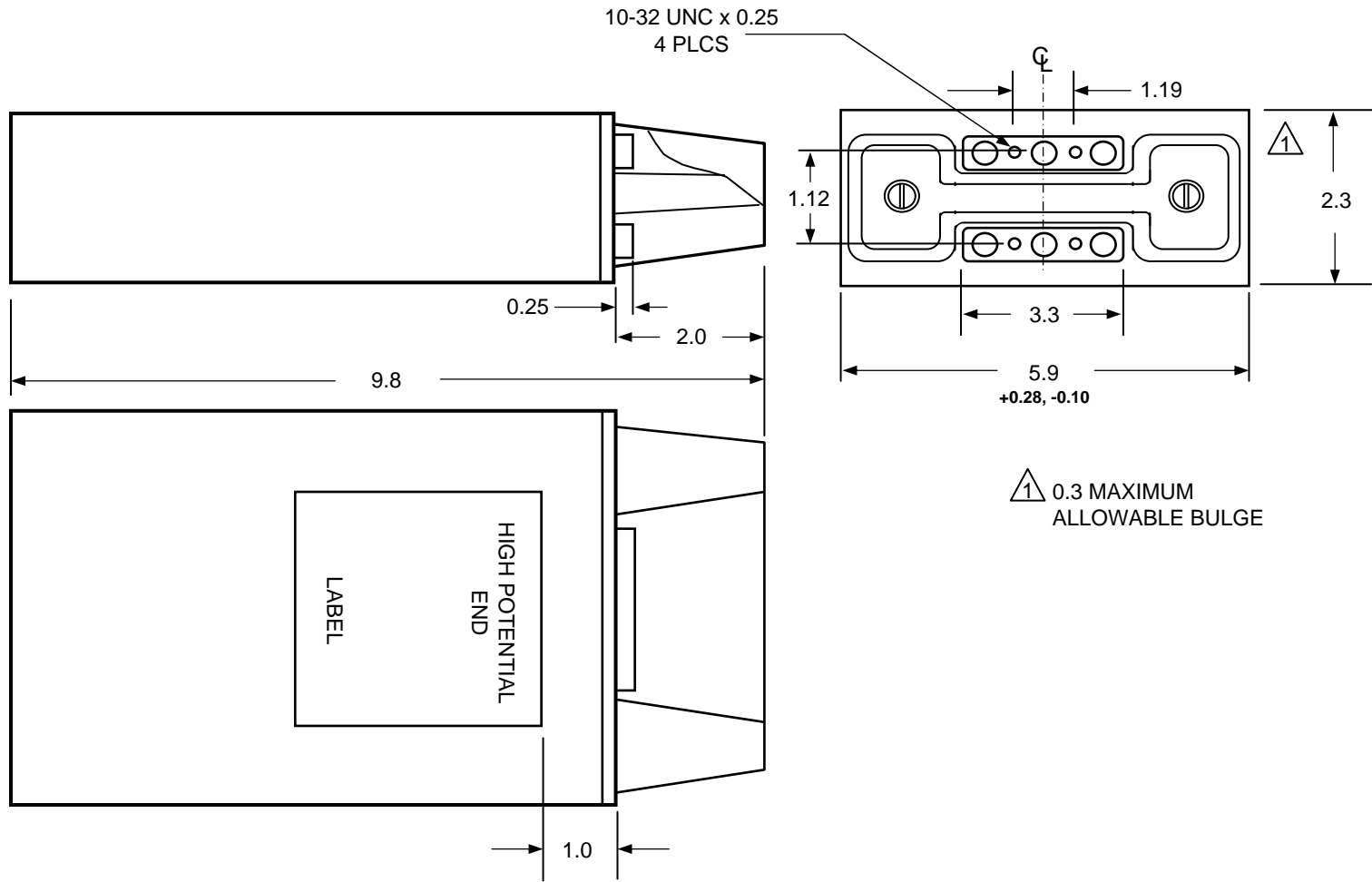
NOTES:


NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: CO IMPREGNANT (non-PCB)

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	31159	R
			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
		TREATMENT	DRAWN		SIZE		FSCM	DRAWING NUMBER	REV LTR
		FINISH	CHECKED		A		58307	31159	R
NEXT ASSY	USED ON	SIMILAR TO	SPECIAL MARKING SYS	ENGR	DESIGN ACTIVITY		DATE: 6/6/05		SHEET 9 of 9
APPLICATION				JEG	GOVERNMENT ACTIVITY		SCALE - NONE		