

## CAPACITOR SPECIFICATION

PART NUMBER:      **32951**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	52	μF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	44	kV		
TEST VOLTAGE:	46	kV	100%	60 sec HIPOT
RATED ENERGY:	50	kJ		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REVERSAL:	60	%		
MAX. PEAK CURRENT:	150	kA		
MAX. CONTINUOUS REP RATE:	0.5	ppm		
MAX. RMS CURRENT	75	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	3.0E+03	charge / discharge cycles		
DC LIFE:	25	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.6	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	30	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	WELDED STEEL CAN			
BUSHING:	LOW BARRIER SCYLLAC			
ELECTRODE STUD:	1.0-14 UNF-28 TAP x 0.5 DEEP			
DIMENSIONS:	12.0 x 16.0 x 27.6	inches		
	305 x 406 x 702	mm		
APPROXIMATE WEIGHT:	332	lbs		
	151	kg		

**NOTES:**

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

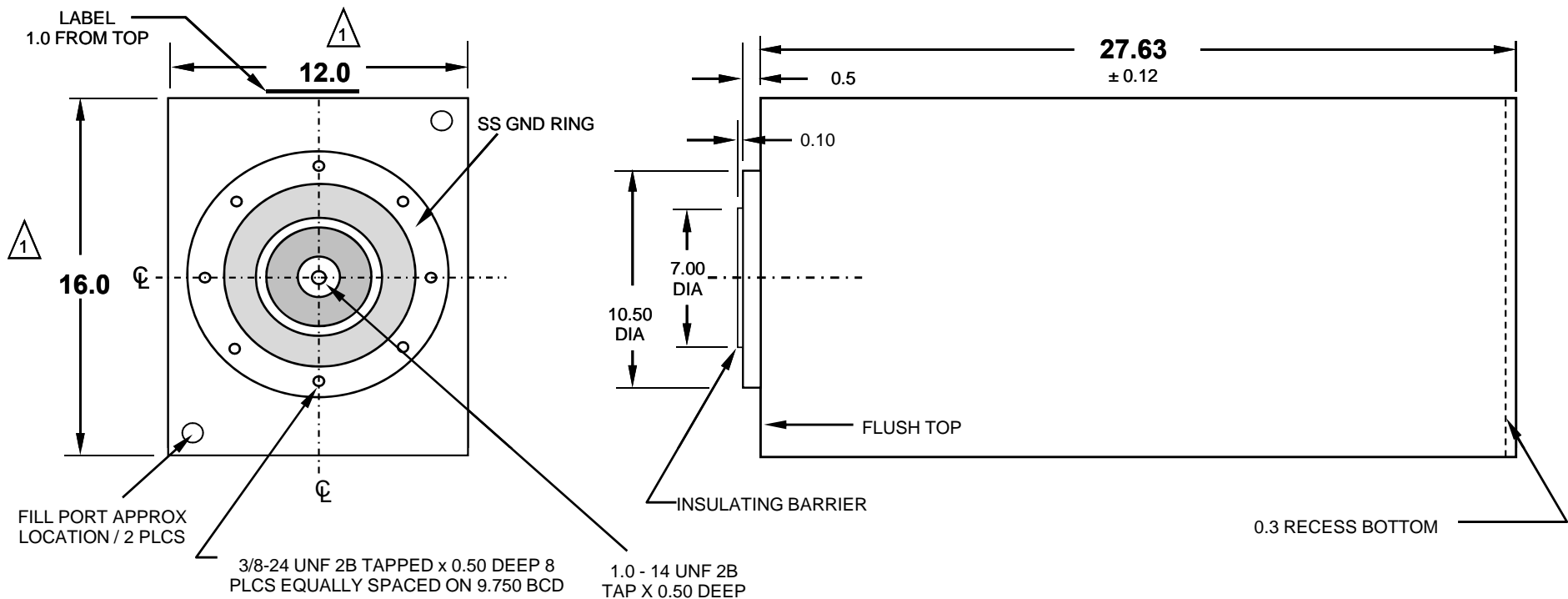
**NOTE 2:** CO IMPREGNANT (non-PCB)


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

	<b>SIZE</b>	<b>FSCM</b>	<b>DRAWING NUMBER</b>	<b>REV</b>	<b>LTR</b>
	<b>A</b>	<b>58307</b>	<b>32951</b>	<b>A</b>	
	<b>SHEET 2</b>				

Notes: UNLESS OTHERWISE SPECIFIED

1. DIMENSIONS HELD 2.0 UP FROM BASE AND DOWN FROM COVER. 0.38" MAX BOW ALLOWABLE PER PANEL.



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:  DECIMALS                      ANGLES .X ± .1                              ± 2° .XX ± .03 .XXX ± .010  DO NOT SCALE DRAWING	CONTRACT NO.		 <b>GENERAL ATOMICS ELECTRONIC SYSTEMS</b> 4949 GREENCRAIG LANE    SAN DIEGO, CA 92123							
			APPROVALS						DATE		TITLE <b>CAPACITOR PART No. 32951</b> <b>52 µF ± 10%, 44 kV</b>	
		TREATMENT	DRAWN		SIZE <b>A</b>		FSCM <b>58307</b>		DRAWING NUMBER <b>32951</b>		REV LTR <b>A</b>	
NEXT ASSY		FINISH	CHECKED		ENGR <b>JEG</b>		SCALE - NONE		DATE: 04/29/09		SHEET 9 of 9	
APPLICATION		SIMILAR TO	ENGR		DESIGN ACTIVITY		DATE: 04/29/09		SHEET 9 of 9			
		SPECIAL MARKING SYS	GOVERNMENT ACTIVITY									