



CAPACITOR SPECIFICATION

PART NUMBER: **32283**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	52.0	μF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	44.0	kVdc		
TEST VOLTAGE:	46.0	kVdc	100%	60 sec HIPOT
RATED ENERGY:	50	kJ		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REV. (FAULT):	60	%		
MAX. PEAK CURRENT:	150	kA		
MAX. CONTINUOUS REP RATE:	0.50	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	0.60	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	70	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-μF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	WELDED STEEL CAN			
BUSHING:	LOW BARRIER SCYLLAC			
ELECTRODE:	1.0-14 UNF-2B TAP x 0.5 DEEP			
DIMENSIONS:	12.0 x 16.0 x 27.6	inches		
	305 x 406 x 702	mm		
APPROXIMATE WEIGHT:	330	lbs		
	150	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

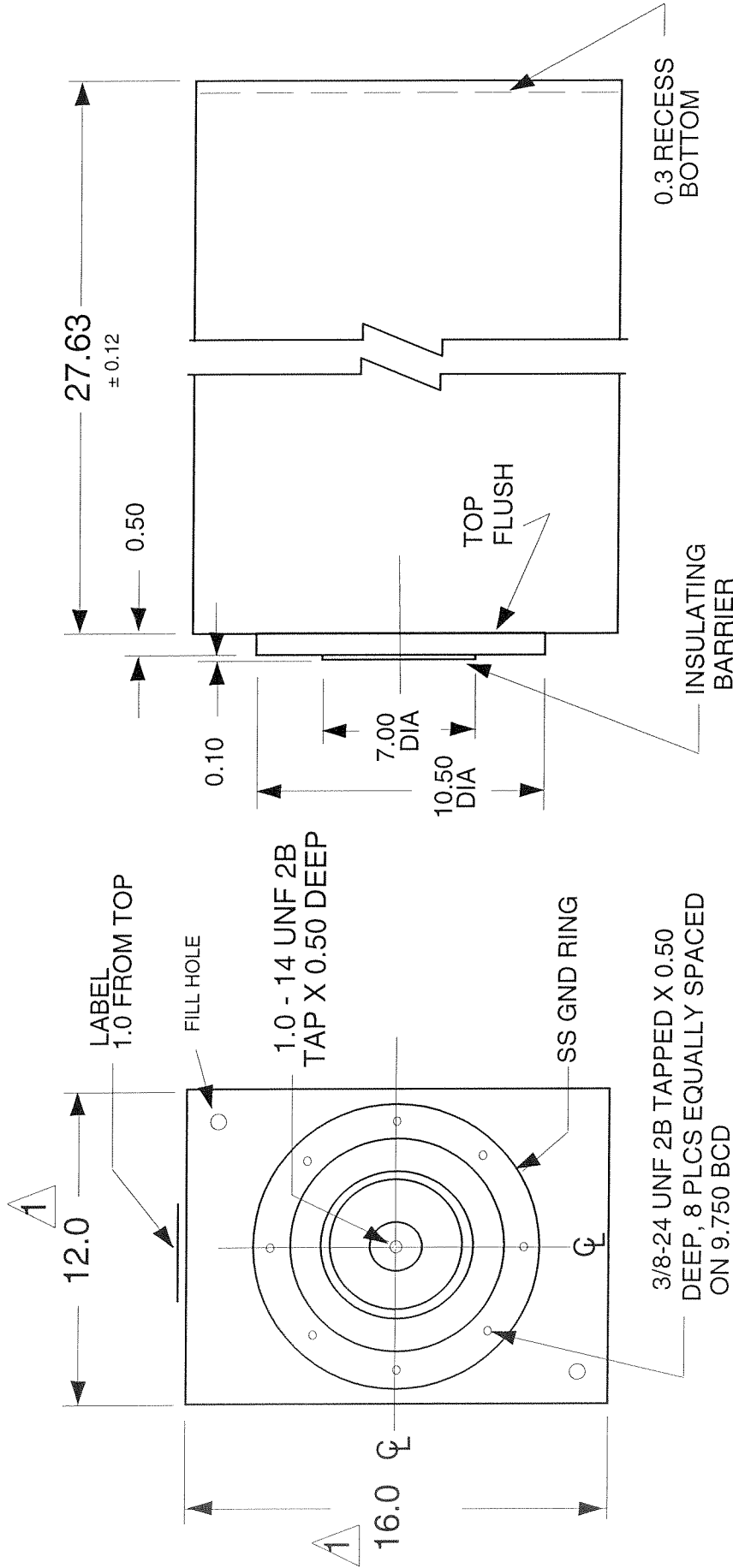
NOTE 2: CO IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE A	FSCM 58307	DRAWING NUMBER 32283	REV LTR J
			SHEET	2

NOTES: UNLESS OTHERWISE SPECIFIED

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



<p>GENERAL ATOMICS ELECTRONIC SYSTEMS Energy Products 4949 GREENCRAIG LANE SAN DIEGO CA. 92123</p>		<p>CONTRACT NUMBER</p>	
<p>OUTLINE DRAWING PART 32283 52.0 uF ± 10 %, 44.0 kV</p>		<p>DATE</p>	
<p>SIZE A</p>	<p>FSCM</p>	<p>DESIGN ACTIVITY APPROVAL</p>	<p>PREPARED</p>
<p>DRAWING NUMBER 32283</p>	<p>DRAWING NUMBER</p>	<p>CHECKED</p>	<p>CHECKED</p>
<p>SCALE: NONE</p>	<p>DATE: 11 / 09 / 97</p>	<p>ENGINEER</p>	<p>ENGINEER</p>
<p>REV LTR J</p>	<p>SHEET 9 OF 9</p>	<p>GOVERNMENT ACTIVITY APPROVAL</p>	<p>APPROVED</p>
<p>APPLICATION</p>	<p>USED ON</p>	<p>CHECKED BY</p>	<p>DRAWN BY</p>