



CAPACITOR SPECIFICATION

PART NUMBER: **32424**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	3.00	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10, -10	%		
RATED VOLTAGE:	100.0	kV		
TEST VOLTAGE:	110.0	kV	100%	60 sec HIPOT
RATED ENERGY:	15	kJ		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
RATED PEAK CURRENT:	260	kA		
MAX. PEAK CURRENT:	500	kA		
MAX. RMS CURRENT	50	A		
MAX. OPERATING TEMP.	40	oC		
MIN. OPERATING TEMP.	-10	oC		
DESIGN LIFE AT RATED:	1.0E+04	charge / discharge cycles		
DC LIFE:	2.5E+02	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.50	%	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 METAL CAN			
BUSHING:	1 ea SCYLLAC (100kV LOW PROFILE WITH COAXIAL RETURN)			
ELECTRODE:	1.0-14 UNS 2B TAP			
DIMENSIONS:	11 x 14 x 25.0	inches		
	279 x 356 x 635	mm		
WEIGHT:	236.0	lbs		
	107.0	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

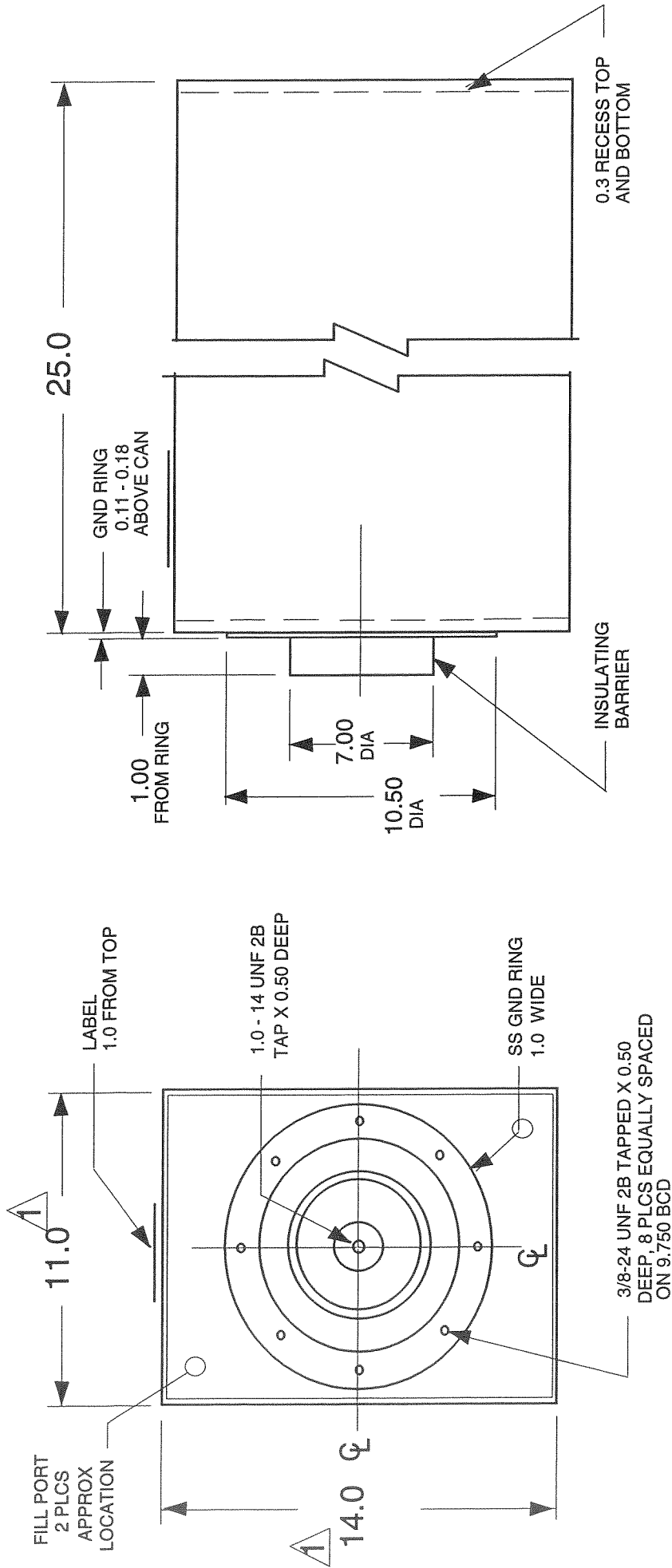
NOTE 2: Castor Oil IMPREGNANT (non-PCB)

*R.T. = ROOM TEMPERATURE, 23 ± 7°C

	SIZE A	FSCM 58307	DRAWING NUMBER 32424	REV LTR H
			SHEET	2

NOTES: UNLESS OTHERWISE SPECIFIED:

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



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING		FSCM NONE	
CONTRACT NUMBER		REV LTR H	
DATE		DRAWING NUMBER 32424	
PREPARED		SCALE NONE	
CHECKED		DATE 02-26-96	
ENGINEER		SHEET 9	
DESIGN ACTIVITY APPROVAL		PART No. 32424	
GOVERNMENT ACTIVITY APPROVAL		3.00 uF ± 10 %, 100.0 kV	
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		SIZE A	
PROJECT MANAGER		FSCM 58307	
PROJECT ENGINEER		DRAWING NUMBER 32424	
APPROVED		REV LTR H	
CHECKED BY		SCALE NONE	
DRAWN BY J Bates		DATE 02-26-96	
USED ON APPLICATION		SHEET 9	