



# CAPACITOR SPECIFICATION

**PART NUMBER: 32681**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	12.5	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10, -5	%		
RATED VOLTAGE:	66.0	kV		
TEST VOLTAGE:	68.0	kV	100%	60 sec HIPOT
RATED ENERGY:	27	kJ		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
RATED PEAK CURRENT:	150	kA		
MAX. PEAK CURRENT:	250 (FAULT)	kA		
MAX. RMS CURRENT	75	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	4.4E+04	charge / discharge cycles		
DC LIFE:	3.7E+02	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.60	%	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:	SCYLLAC LOW PROFILE (100 kV IN-OIL RATING)			
ELECTRODE:	1.0-14 UNS-28			
DIMENSIONS:	12.0 x 16.0 x 28.5	inches		
	305 x 406 x 724	mm		
WEIGHT:	330	lbs		
	150	kg		

**NOTES:**

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

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

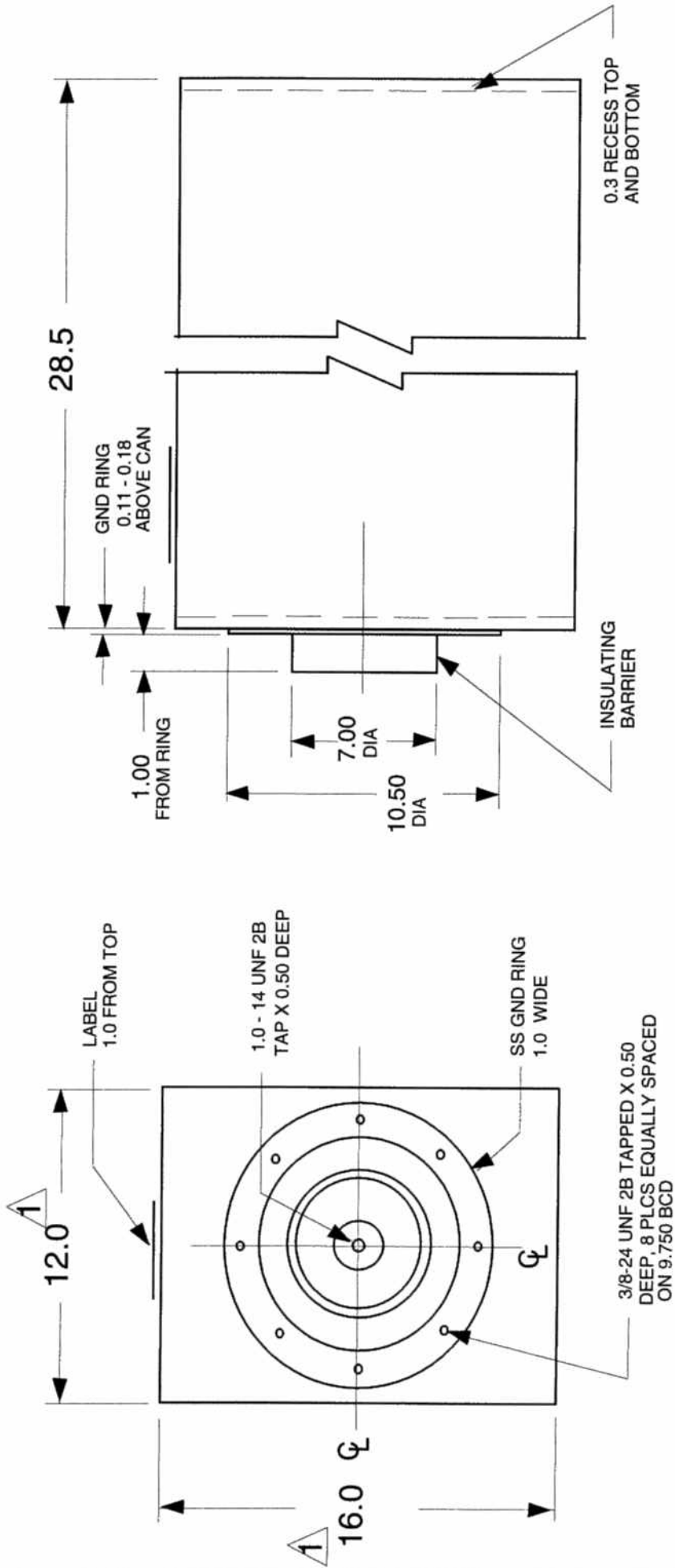
**NOTE 3:** CONSULT FACTORY FOR BURST MODE OPERATING LIMITS

\*R.T. = room temperature

	SIZE <b>A</b>	FSCM <b>58307</b>	DRAWING NUMBER <b>32681</b>	REV LTR <b>F</b>
			SHEET	<b>2</b>

NOTES: UNLESS OTHERWISE SPECIFIED:

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



<b>GENERAL ATOMICS</b> Energy Products		<b>ELECTRONIC SYSTEMS</b> 4949 GREENCRAIG LANE SAN DIEGO, CA. 92123	
<b>TITLE</b> OUTLINE DRAWING			
<b>PART No.</b> 32681			
<b>12.5 uF +10.0, -5.0 %, 66.0 kV</b>			
<b>SIZE</b> <b>A</b>	<b>FSCM</b> <b>58307</b>	<b>DRAWING NUMBER</b> <b>32681</b>	<b>REV LTR</b> <b>F</b>
<b>SCALE</b> NONE	<b>DATE</b> 6/6/96	<b>PAGE 9 OF 9</b>	

<b>CONTRACT NUMBER</b>		<b>DO NOT SCALE DRAWING</b> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010	
<b>DATE</b>	<b>PREPARED</b>	<b>CHECKED</b>	<b>ENGINEER</b>
<b>DESIGN ACTIVITY APPROVAL</b>		<b>GOVERNMENT ACTIVITY APPROVAL</b>	
<b>PROJECT MANAGER</b>	<b>PROJECT ENGINEER</b>	<b>APPROVED</b>	<b>CHECKED BY</b>
<b>COMMENTS</b>	<b>USED ON</b>	<b>DRAWN BY</b>	<b>J BATES</b>
<b>APPLICATION</b>			