

CAPACITOR SPECIFICATION

PART NUMBER: 32926

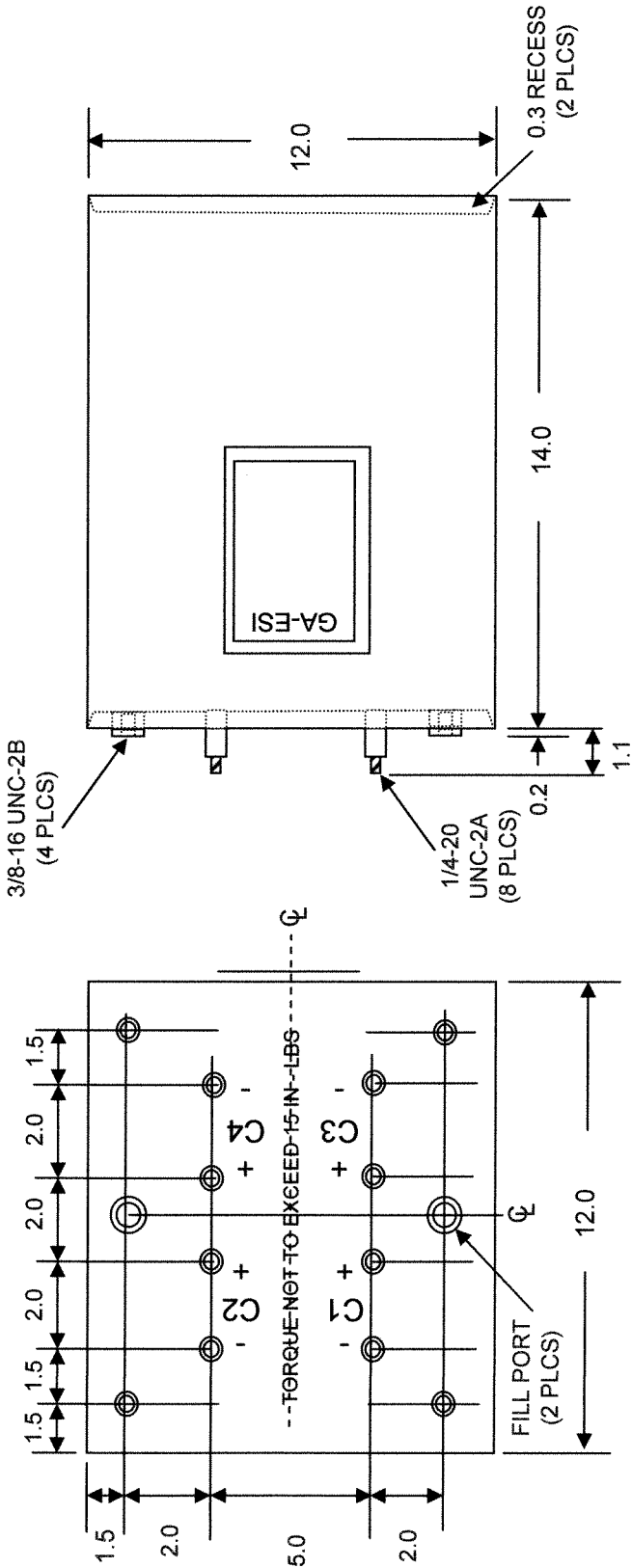
<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	2400	uF		100% 120 Hz, R.T.*
	4 x 600 uF Capacitors			
TOLERANCE:	± 5	%		
RATED VOLTAGE:	4.2	kV		
TEST VOLTAGE:	5.0	kV		100% 60 sec HIPOT
RATED ENERGY:	21.2	kJ		
RATED VOLTAGE REVERSAL:	95	%		
MAX. VOLTAGE REVERSAL:	98 (FAULT)	%		
RATED PEAK CURRENT:	40	kA		
MAX. PEAK CURRENT (FAULT):	80 (FAULT)	kA		
MAX. RMS CURRENT	100	Amps RMS		
MAX. OPERATING TEMP.	55	°C		
MIN. OPERATING TEMP.	-20	°C		
DESIGN LIFE AT RATED:	1.3E+04			Charge / Discharge cycles (5% Cap Loss)
DC LIFE:	1000			hours
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	1	%		100% 120 Hz, R.T.*
APPROX. INDUCTANCE	100	nH		SAMPLE STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF		SAMPLE DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	WELDED METAL CAN			
BUSHING:	8 ea 7.5 kV CERAMIC PILLAR, COMPRESSION SEAL			
ELECTRODE:	1/4-20 UNC-2A			
CASE TERMINAL:	4 ea 3/8-16 UNC-2B			
DIMENSIONS:	12 x 12 x 14	inches		
	305 x 305 x 356	mm		
APPROXIMATE WEIGHT:	80	lbs		
	36	kg		

NOTES:

- NOTE 1: Leak Test: 100% Test and Inspection
- NOTE 2: RSO IMPREGNANT (non-PCB)
- NOTE 3: SELF-HEALING, METALLIZED ELECTRODE DESIGN
- NOTE 4: Designed to meet Curtiss-Wright EMD Specification 50101 Rev 0, dated 1/31/2005

* R.T. = room temperature (23 ± 7 C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	32926	A
	SHEET 2			



- NOTES:
- 1) DIMENSIONS HELD 2.0 UP FROM BASE AND DOWN FROM TOP.
0.25" MAX BOW ALLOWABLE PER PANEL.
 - 2) STAMP "TORQUE NOT TO EXCEED 15 IN - LBS"

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS .X ± .1 .XX ± .03 XXX ± .010 DO NOT SCALE DRAWING		CONTRACT NO.	
TREATMENT	FINISH	APPROVALS	DATE
SIMILAR TO	SPECIAL MARKING SYS	DRAWN	JBE
NEXT ASSY	USED ON	CHECKED	--
APPLICATION		ENGR	JBE
		DESIGN ACTIVITY	JBE
		GOVERNMENT ACTIVITY	NA
GENERAL ATOMICS ELECTRONIC SYSTEMS INC. 4949 GREENCRAIG LANE SAN DIEGO, CA 92123		TITLE CAPACITOR PART NO.32926 2400 uF ± 5%, 4.2 kV	
SIZE A		FSCM 58307	REV LTR A
SCALE - NONE		DATE: 6/6/05	SHEET 11 of 11