



CAPACITOR SPECIFICATION

PART NUMBER: **30341**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	10.00	µF	100%	120 Hz, R.T.*
TOLERANCE:	+15 , -5	%		
RATED VOLTAGE:	0.60	kV ac		
TEST VOLTAGE (T-T):	2.2	kV dc	100%	10 sec HIPOT
TEST VOLTAGE (T-C):	1.0	kV dc	100%	60 sec HIPOT
RATED ENERGY:	1.8	Joules		
MAX. PEAK CURRENT:	25	kA		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	85	°C		
MIN. OPERATING TEMP.	-55	°C		
DESIGN LIFE AT RATED:		charge / discharge cycles		
DC LIFE:	N/A	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.30	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	50	nH		SAMPLE STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-µF		SAMPLE DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DRAWN METAL CAN (WELDED)			
BUSHING:	TWO LOW PROFILE			
ELECTRODE STUD:	2 ea 10-32 x UNF			
DIMENSIONS:	1.66 x 2.6 x 3.88	inches		
	42 x 66 x 99	mm		
WEIGHT:	0.9	lbs		
	0.4	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

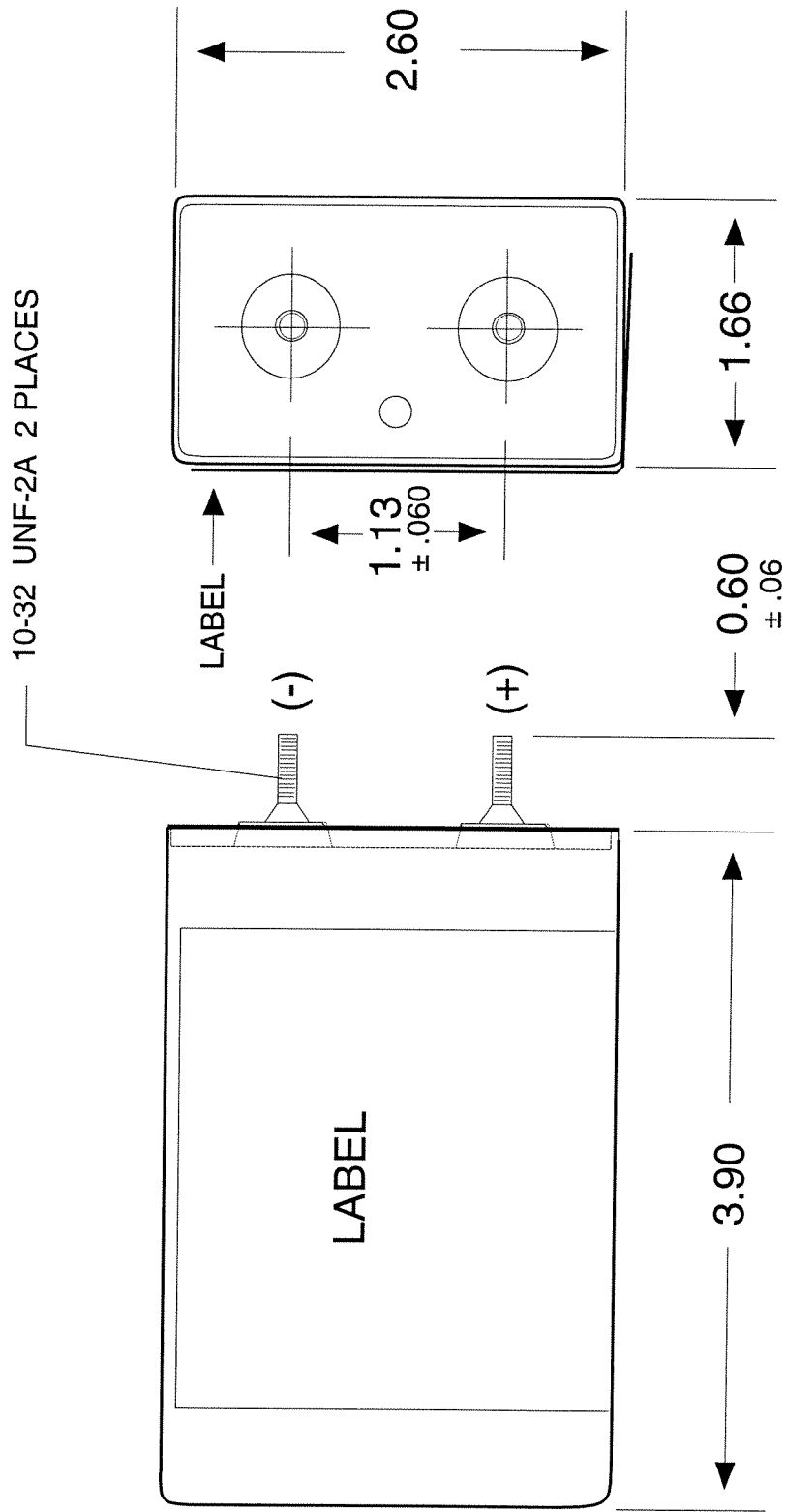
NOTE 2: SO IMPREGNANT (NON-PCB)

NOTE 3: CONSULT FACTORY FOR DE-RATED OPERATING LIMITS

*R.T. = room temperature

SIZE	FSCM	DRAWING NUMBER	REV LTR
A	58307	30341	U
SHEET			2

EACH UNIT MUST BE ELECTRO TIN PLATED
 Copper Flash Per Mil-C-14550
 Bright Tin TY1, Per Mil-T-10727, .0003 - .0004



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS INC 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE: OUTLINE DRAWING			
PART No. 30341 10.0 uF +15, -5 %, 0.60 kVAC		FSCM DRAWING NUMBER 30341	REV LTR U
SIZE A	FSCM DRAWING NUMBER 30341	SCALE: NONE DATE: 3 / 3 / 97 PAGE: 9 OF 9	
CONTRACT NUMBER		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010	
DATE		PROJECT MANAGER	
PREPARED		PROJECT ENGINEER	
CHECKED		APPROVED	
ENGINEER		CHECKED BY	
DESIGN ACTIVITY APPROVAL		DRAWN BY	
GOVERNMENT ACTIVITY APPROVAL		USED ON APPLICATION	