



GENERAL ATOMICS

Energy Products

GENERAL ATOMICS ELECTRONIC SYSTEMS

CAPACITORS AND POWER SUPPLIES

CAPACITOR SPECIFICATION

PART NUMBER: **31348**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.0015	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 5	%		
RATED VOLTAGE:	45	kV RMS		
WITHSTAND TEST VOLTAGE:	140	kV RMS	100%	60 sec HIPOT
CORONA TEST VOLTAGE:	90	kV RMS	100%	SPECIAL
RATED STORED ENERGY:	1.5	Joules		
POWER RATING:	1.1	kVAR		
AC FREQUENCY:	60	Hz		
MAXIMUM FAULT CURRENT:	1	kA		
RATED RMS CURRENT:	0.03	Amps		
MAX. RMS CURRENT:	0.08	Amps		
MAX. OPERATING TEMP.	80	°C		
MIN. OPERATING TEMP.	-40	°C		
DESIGN LIFE AT RATED:	> 100,000	hours (CWAC)		
RELIABILITY AT LIFE:	>90	%		
MAX. DISSIPATION FACTOR	0.5	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	300	nH		
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DOUBLE-ENDED PLASTIC CASE			
ELECTRODE:	3/8-16 UNC TAP x 0.5 DEEP MINIMUM			
DIMENSIONS:	2.5 x 5.0 x 10.5	inches		
	64 x 127 x 267	mm		
WEIGHT:	7.5	lbs		
	3.4	kg		

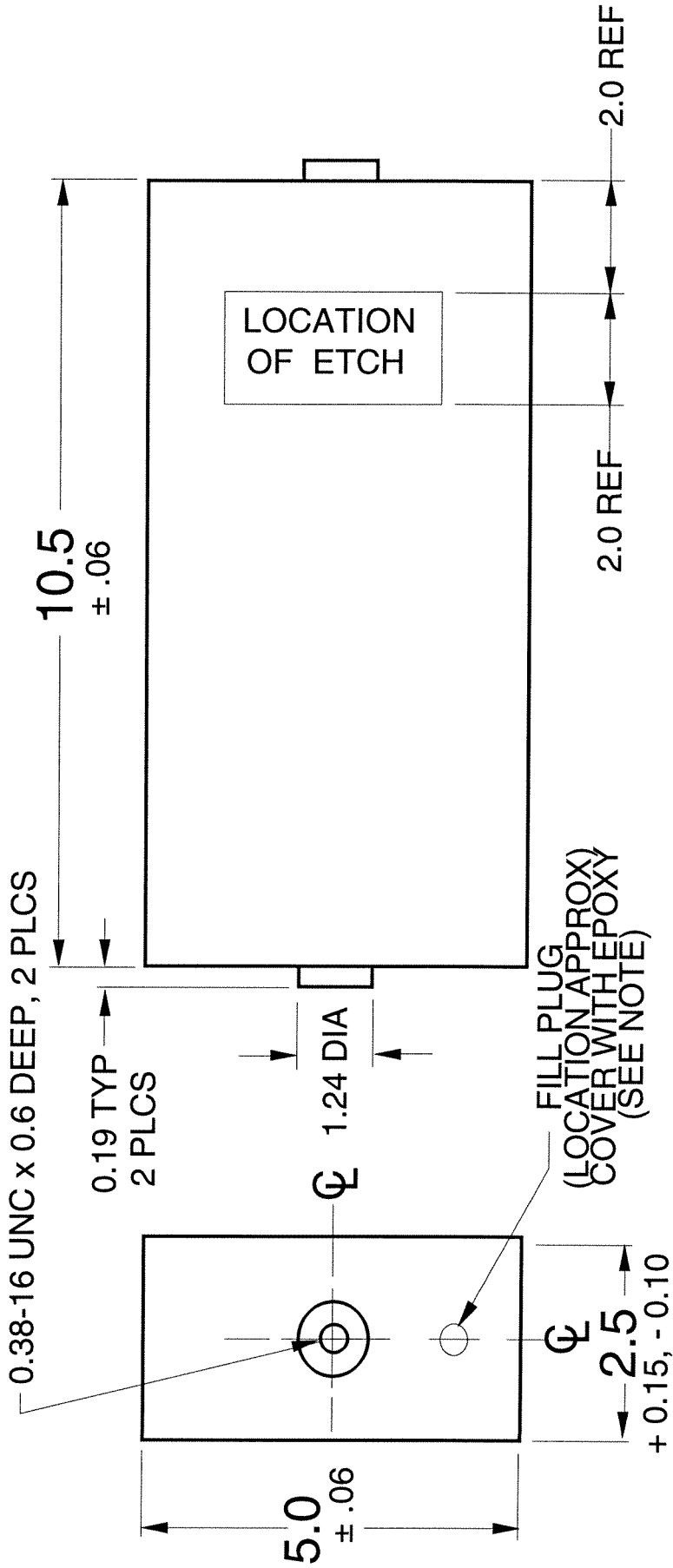
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: IPBP or BTDP IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE A	FSCM 58307	DRAWING NUMBER 31348	REV LTR J
			SHEET	2



NOTE:
CASE SURFACES MUST BE CLEAN AND SMOOTH
COVER FILL PLUG WITH EPOXY PATCH

GENERAL ATOMICS ELECTRONIC SYSTEMS INC. Energy Products 4949 GREENCRAIG LANE SAN DIEGO CA. 92123		OUTLINE DRAWING CAPACITOR, PART No. 31348 0.0015 uF ± 5 %, 45.0 kV AC RMS	
SIZE A	FSCM 58307	DRAWING NUMBER 31348	REV LTR J
SCALE NONE	DATE	DATE	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	