



CAPACITOR SPECIFICATION

PART NUMBER: **31892**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	0.030	μF	100%	120 Hz, R.T.*
TOLERANCE:	+13, -0	%		
RATED VOLTAGE:	45.0	Vdc		
TEST VOLTAGE:	50.0	Vdc	100%	60 sec HIPOT
RATED ENERGY:	30	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	25	kA		
MAX. CONTINUOUS REP RATE:	100	pps		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	2E+08	charge / discharge cycles		
DC LIFE:	> 100,000	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.30	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	40	nH		SAMPLE STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-μF		SAMPLE DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DOUBLE ENDED PLASTIC CASE			
ELECTRODE STUD:	0.38-16 x 0.6 UNC	FEMALE		
DIMENSIONS:	4.0 x 6.0 x 8.9	inches		
	102 x 152 x 226	mm		
APPROXIMATE WEIGHT:	10.3	lbs		
	4.7	kg		

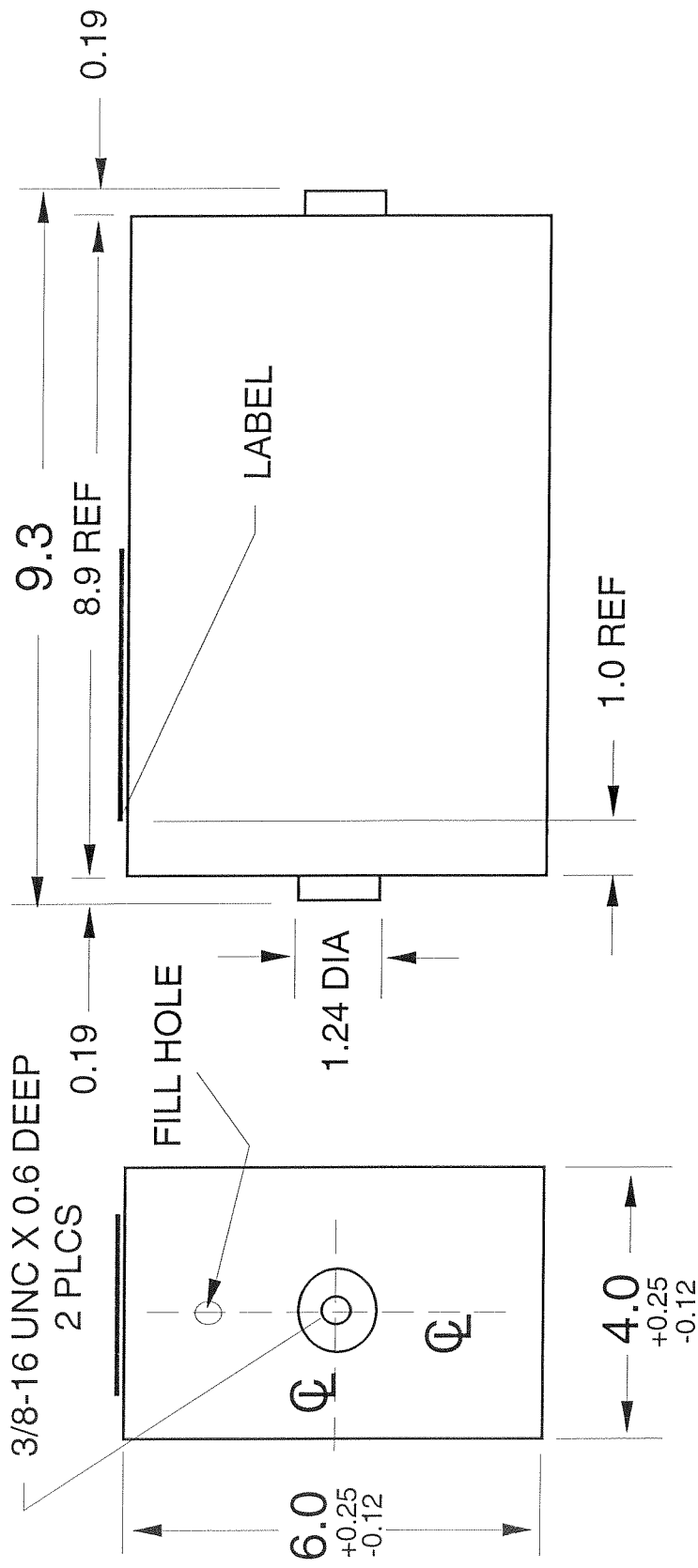
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: BTDP IMPREGNANT (non-PCB)

*R.T. = room temperature

1	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	31892	K
			SHEET	2



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS INC 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING		REV LTR K	
SIZE A		DRAWING NUMBER 31892	
SCALE NONE		DATE 3/26/97	
CONTRACT NUMBER		REVISION	
DATE		DATE	
PREPARED		DATE	
CHECKED		DATE	
ENGINEER		DATE	
DESIGN ACTIVITY APPROVAL		DATE	
GOVERNMENT ACTIVITY APPROVAL		DATE	

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES X ± .1 .XX ± .03 .XXX ± .010		PROJECT MANAGER R Cooper	
PROJECT ENGINEER APPROVED		CHECKED BY DRAWN BY	
APPROVED		USED ON	
CHECKED BY		APPLICATION	
DRAWN BY		DATE	