



CAPACITOR SPECIFICATION

PART NUMBER: **430PM947T**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	0.0047	uF	100%	120 Hz, R.T.*
TOLERANCE:	±5	%		
RATED VOLTAGE:	30.0	kV		
TEST VOLTAGE:	60.0	kV	100%	60 sec HIPOT
RATED ENERGY:	2.1	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	60	%		
MAX. PEAK CURRENT:	20	kA		
MAX. RMS CURRENT	20	Arms		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT OPERATING:	3.0E+10	charge / discharge cycles		
DC LIFE:	1.00E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.20	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	20	nH		SAMPLE STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF		SAMPLE DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DOUBLE ENDED PLASTIC			
BUSHING:	1" DIA. FEMALE TERMINAL,			
ELECTRODE STUD:	2ea 10-32 UNF, .28" Deep			
DIMENSIONS:	2.3 x 5.9 x 3.0	inches		
	58 x 150 x 76	mm		
WEIGHT:	2.0	lbs		
	0.9	kg		

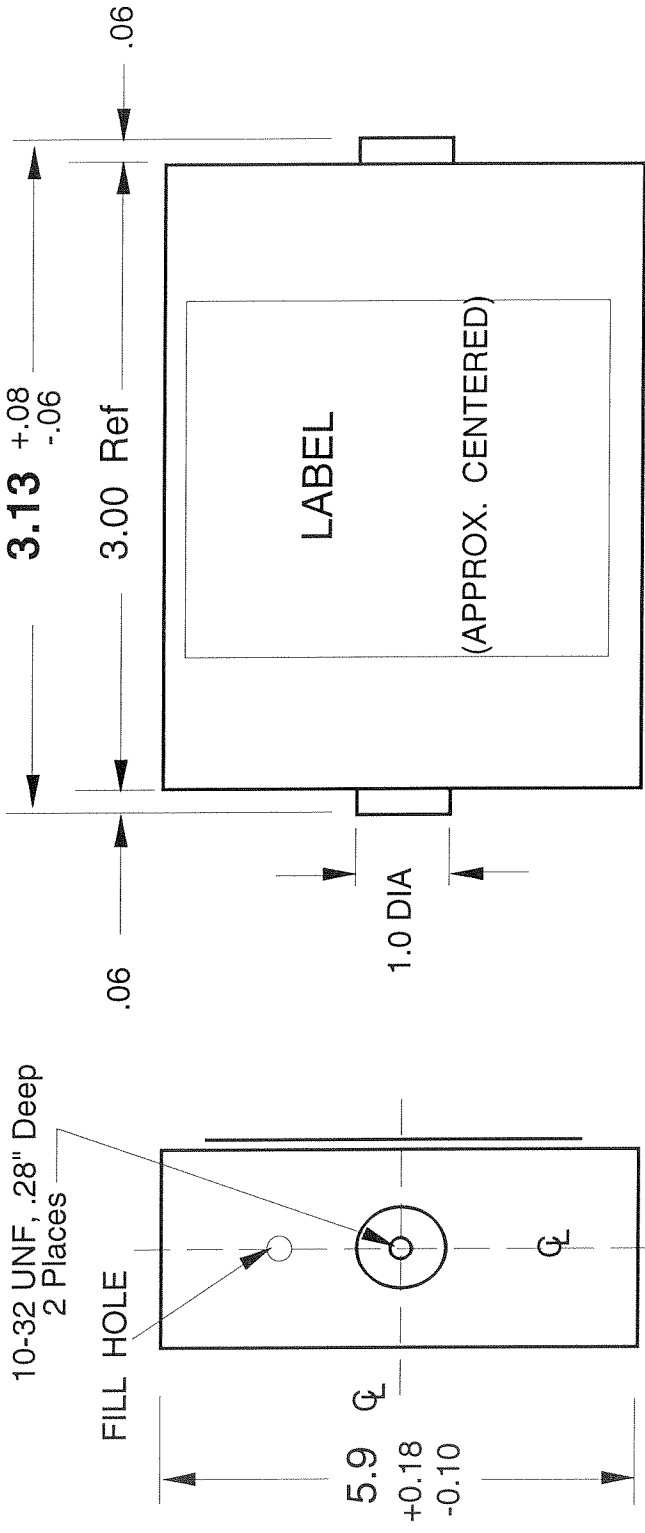
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

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

*R.T. = room temperature

	SIZE A	FSCM 58307	DRAWING NUMBER 35865	REV LTR A
			SHEET	2



TOP ELECTRODE SURFACES TO BE COPLANER WITHIN 0.03

GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS INC 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING		FSCM 58307	
PART No. 430PM947T 0.0047 uF ± 5 % , 30.0 KV		DRAWING NUMBER 35865	
SIZE A	FSCM 58307	REV LTR A	REV LTR A
SCALE NONE	DATE 4/12/04	PAGE 9 OF 9	PAGE 9 OF 9
CONTRACT NUMBER		DATE	
PREPARED		CHECKED	
ENGINEER		DESIGN ACTIVITY APPROVAL	
GOVERNMENT ACTIVITY APPROVAL		PROJECT MANAGER Robert Cooper	
PROJECT ENGINEER Robert Cooper		APPROVED	
CHECKED BY		USED ON	
DRAWN BY Robert Cooper		APPLICATION	

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.X ± .1 .XX ± .03 .XXX ± .010