



**GENERAL ATOMICS**

Energy Products

GENERAL ATOMICS ELECTRONIC SYSTEMS

CAPACITORS AND POWER SUPPLIES

# CAPACITOR SPECIFICATION

PART NUMBER: **430PM830**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	0.030	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10 , -10	%		
RATED VOLTAGE:	30	kV		
TEST VOLTAGE:	50	kV	100%	60 sec HIPOT
RATED ENERGY:	14	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	oC		
MIN. OPERATING TEMP.	-30	oC		
DESIGN LIFE AT RATED:	1.0E+09	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:	FEMALE ELECTRODE			
ELECTRODE STUD:	2ea 10-32 UNF, .28" Deep			
DIMENSIONS:	2.3 x 5.9 x 5.00	inches		
	58 x 150 x 127	mm		
WEIGHT:	3.3	lbs		
	1.5	kg		

**NOTES:**

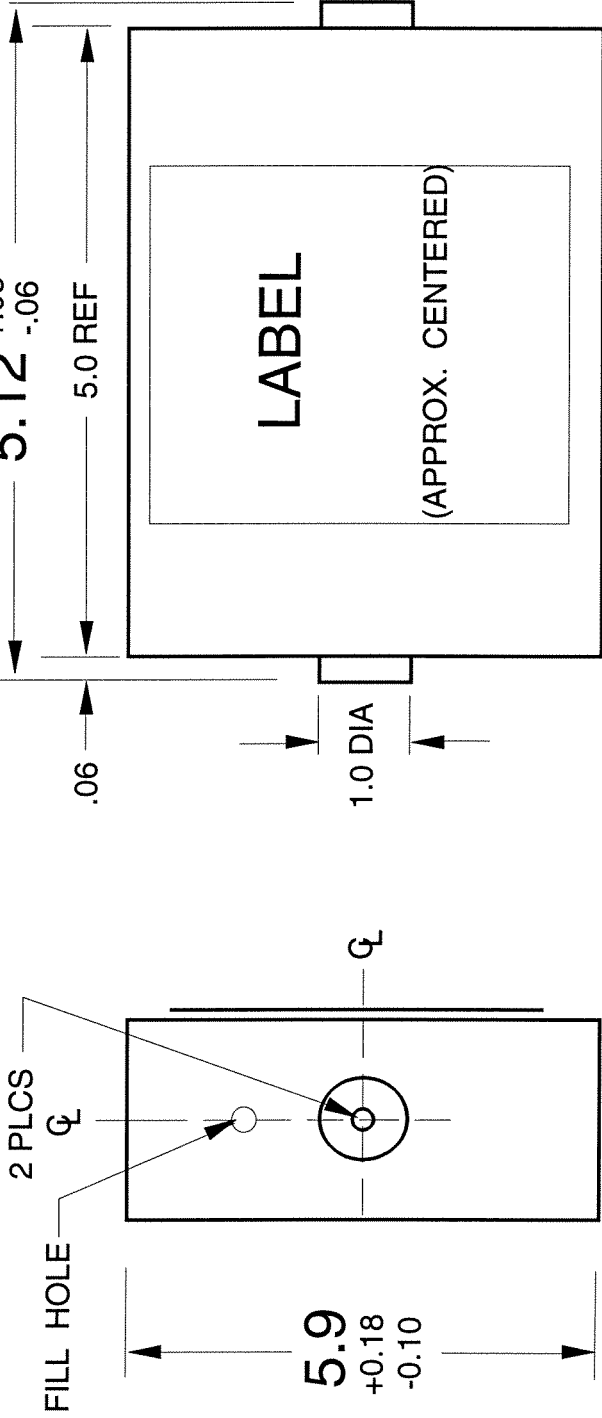
**NOTE 1:** LEAK TEST: 100 % test and inspection

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

\*R.T. = room temperature

1	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	35805	C
			SHEET	2

STD: 10-32 UNF X 0.28 DEEP



TOP ELECTRODE SURFACES TO BE COPLANER WITHIN 0.03

<b>GENERAL ATOMICS</b> Energy Products 4949 GREENCRAIG LANE SAN DIEGO CA. 92123		TITLE <b>OUTLINE DRAWING</b>		REV LTR <b>C</b>	
CONTRACT NUMBER		FSCM <b>58307</b>		DRAWING NUMBER <b>35805</b>	
DATE		SIZE <b>A</b>		DATE <b>05/17/99</b>	
PREPARED		FSCM <b>58307</b>		DRAWING NUMBER <b>35805</b>	
CHECKED		SCALE <b>NONE</b>		DATE <b>05/17/99</b>	
ENGINEER <b>Robert Cooper</b>		SIGN ACTIVITY APPROVAL		PAGE 9 OF 9	
APPROVED		SIGN ACTIVITY APPROVAL		ERNMENT ACTIVITY APPROVAL	
CHECKED BY <b>R. Cooper</b>		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		PROJECT MANAGER <b>Robert Cooper</b>	
DRAWN BY <b>R. Cooper</b>		PROJECT ENGINEER <b>Robert Cooper</b>		NEXT ASSY <b>USED ON</b>	
APPLICATION		USED ON		APPLICATION	