



GENERAL ATOMICS

Energy Products

GENERAL ATOMICS ELECTRONIC SYSTEMS

CAPACITORS AND POWER SUPPLIES

CAPACITOR SPECIFICATION

PART NUMBER: 435PM835

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	0.035	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10, -10	%		
RATED VOLTAGE:	35.0	kV		
TEST VOLTAGE:	60.0	kV	100%	60 sec HIPOT
RATED ENERGY:	21.4	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	25	kA		
MAX. RMS CURRENT	20	Arms		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT OPERATING:	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:	1" DIA. FEMALE TERMINAL,			
ELECTRODE STUD:	2ea 10-32 UNF, .28" Deep			
DIMENSIONS:	2.3 x 5.9 x 5.7	inches		
	58 x 150 x 145	mm		
WEIGHT:	3.7	lbs		
	1.7	kg		

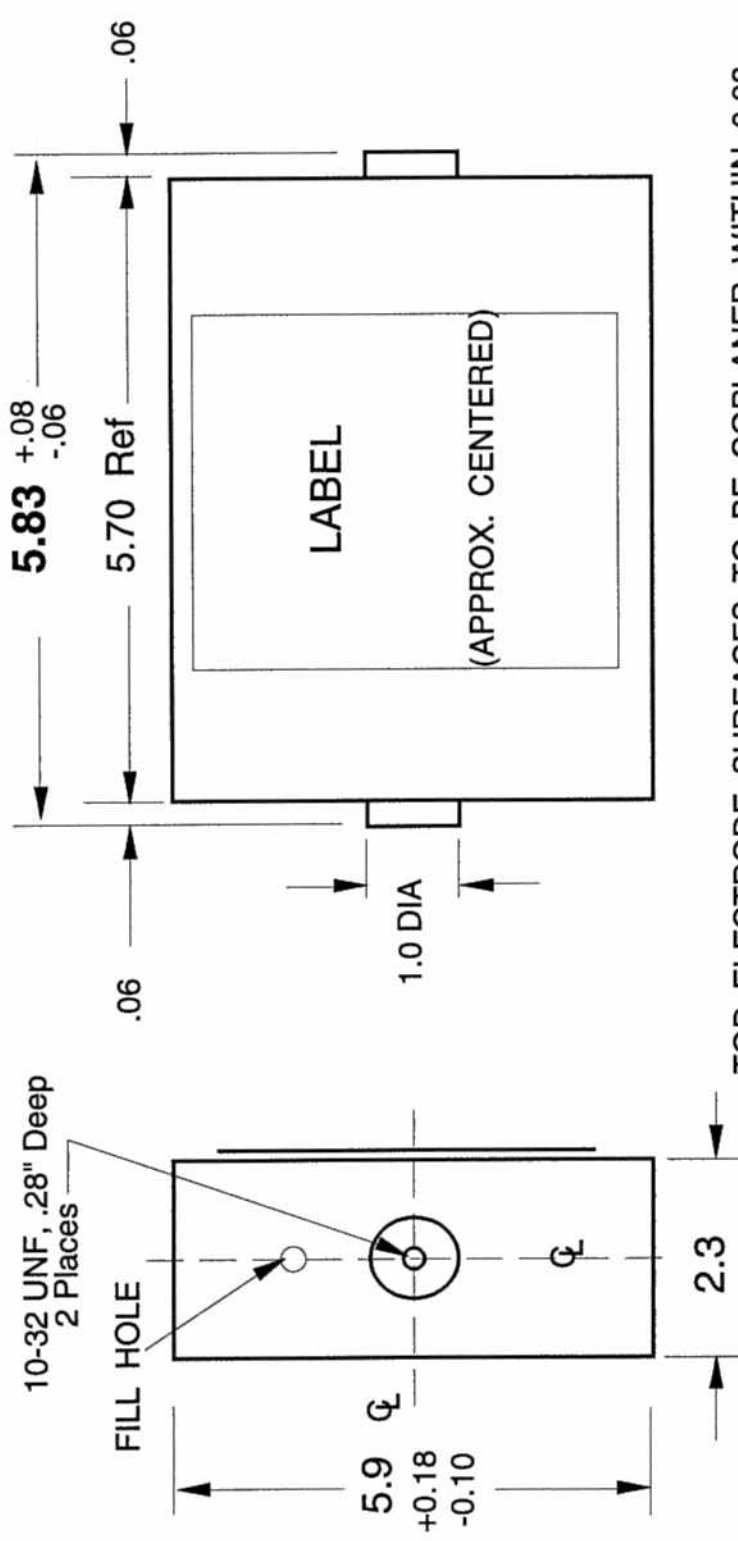
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

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

*R.T. = room temperature

SIZE	FSCM	DRAWING NUMBER	REV LTR
A	58307	35867	B
SHEET			2



10-32 UNF, .28" Deep
2 Places

FILL HOLE

5.9 ϕ
+0.18
-0.10

1.0 DIA

2.3

5.83 $\begin{matrix} +.08 \\ -.06 \end{matrix}$

5.70 Ref

LABEL

(APPROX. CENTERED)

TOP ELECTRODE SURFACES TO BE COPLANER WITHIN 0.03

GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
CONTRACT NUMBER		TITLE OUTLINE DRAWING	
DATE		PART No. 435PM835 0.035 uF \pm 10 % , 35.0 kV	
PREPARED	CHECKED	FSCM 58307	DRAWING NUMBER 35867
ENGINEER	DESIGN ACTIVITY APPROVAL	SIZE A	REV LTR B
PROJECT MANAGER Robert Cooper	GOVERNMENT ACTIVITY APPROVAL	SCALE NONE	DATE 3/15/06
APPROVED	DRAWN BY Robert Cooper	NEXT ASSY USED ON	APPLICATION
CHECKED BY	DRAWN BY	USED ON	APPLICATION
DRAWN BY Robert Cooper	USED ON	APPLICATION	PAGE 9 OF 9