



CAPACITOR SPECIFICATION

PART NUMBER: **440PD820MVT**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.020	μF	100%	120 Hz, R.T.*
TOLERANCE:	+2.5, -2.5	%		
RATED VOLTAGE:	40	kV		
TEST VOLTAGE:	80	kV	100%	60 sec HIPOT
RATED ENERGY:	16	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
MAX. PEAK CURRENT:	50	kA		
MAX. RMS CURRENT	35	Amps RMS Continuous Working		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	2.70E+09	charge / discharge cycles		
DC LIFE: >	1.50E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.20	%	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			
BUSHING:	2 ea 1.25" DIA TERMINAL			
ELECTRODE STUD:	M10 x 1.5 - 12mm deep Thd			
DIMENSIONS:	4.0 x 6.0 x ~5.6	inches		
	102 x 152 x ~142	mm		
APPROX. WEIGHT:	6.2	lbs		
	2.8	kg		

NOTES:

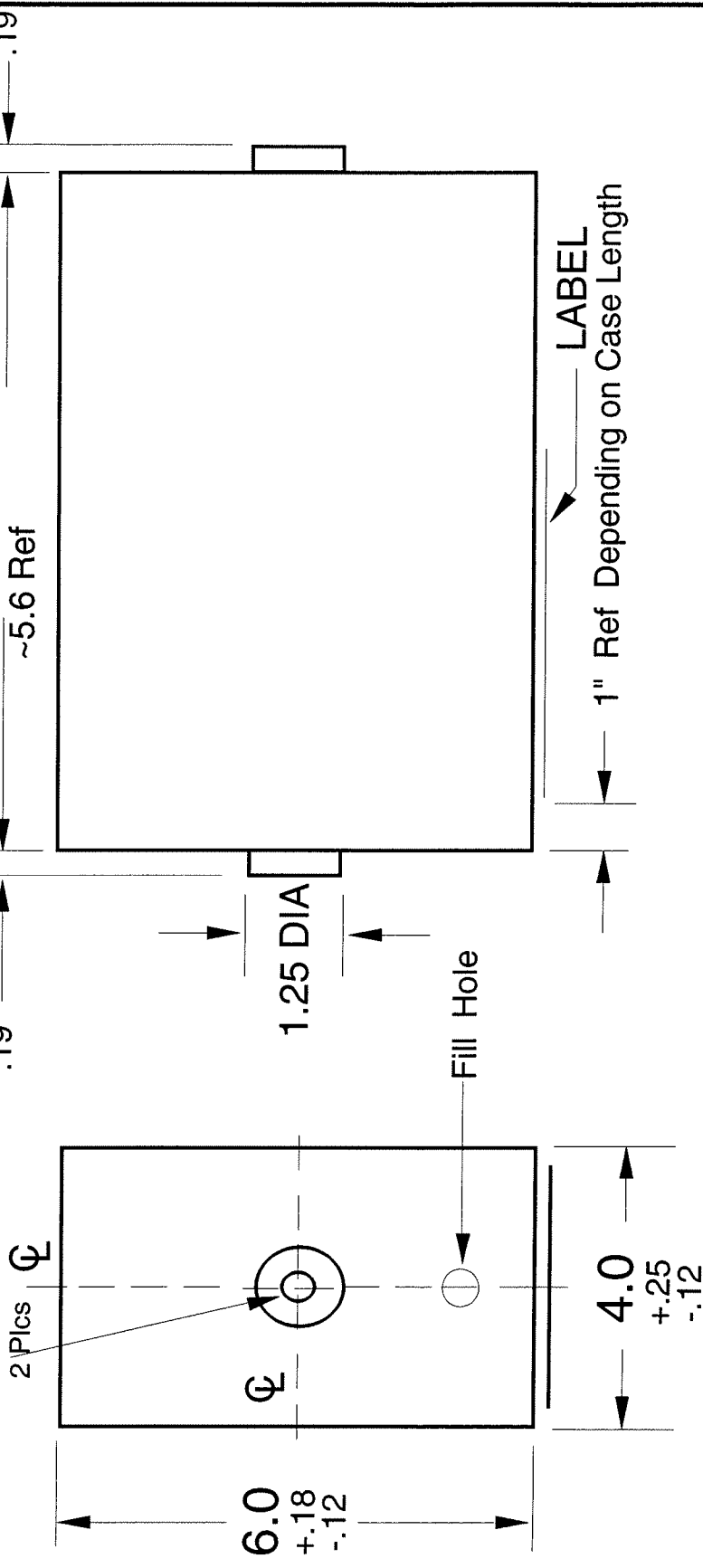
NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: IPBP IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	35815	A
	SHEET			2F

440PD820MVT = M10 x 1.5 - 12mm deep Thd



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING			
PART No. 440PD820MVT 0.020 uF ± 2.5 %, 40.0 kV			
SIZE A	FSCM 58307	DRAWING NUMBER 35815	REV LTR A
SCALE NONE	DATE 01/31/03	PAGE 9C	9C

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES X ± .1 .XX ± .03 .XXX ± .010	CONTRACT NUMBER	
	DATE	DATE
PROJECT MANAGER Robert Cooper	PREPARED	CHECKED
PROJECT ENGINEER Robert Cooper	ENGINEER	DESIGN ACTIVITY APPROVAL
APPROVED	GOVERNMENT ACTIVITY APPROVAL	GOVERNMENT ACTIVITY APPROVAL
CHECKED BY Robert Cooper	USED ON	APPLICATION