



CAPACITOR SPECIFICATION

PART NUMBER: **440PD860**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	0.060	μF	100%	120 Hz, R.T.*
TOLERANCE:	+10 , -10	%		
RATED VOLTAGE:	40	kV		
TEST VOLTAGE:	100	kV	100%	60 sec HIPOT
RATED ENERGY:	48	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
MAX. PEAK CURRENT:	50	kA		
MAX. RMS CURRENT	45	Amps		In 10 second Bursts
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	2.7E+09	charge / discharge cycles		
DC LIFE:	> 1.5E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.20	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	55	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:	.38-16 unc x 0.5 deep Thd			
DIMENSIONS:	4.0 x 6.0 x 10.0	inches		
	102 x 152 x 254	mm		
APPROX. WEIGHT:	11.1	lbs		
	5.0	kg		

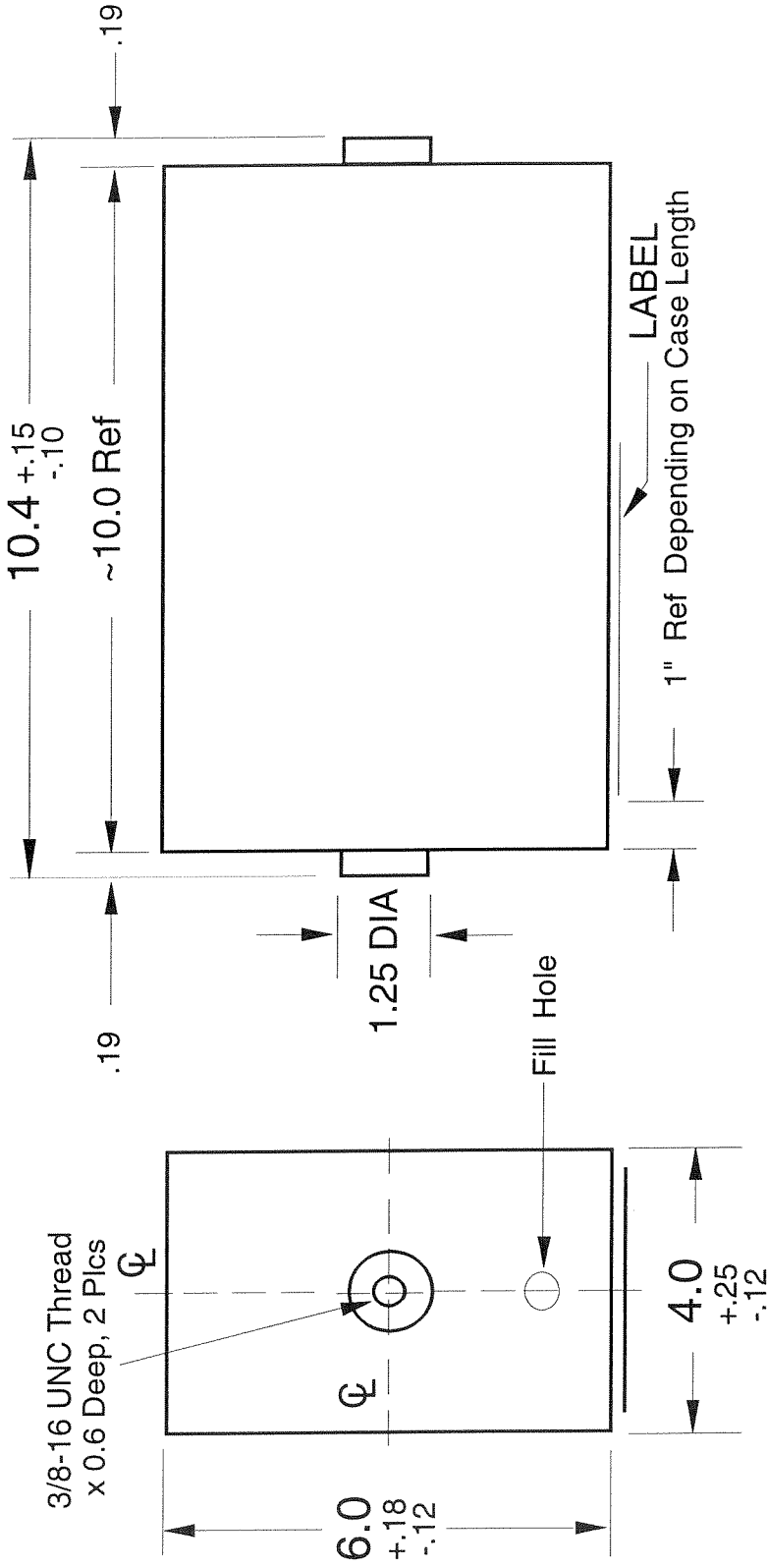
NOTES:

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	35820	C
			SHEET	2



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING		PART No. 440PD860 0.060 uF ± 10 %, 40.0 kV	
SIZE A	FSCM 58307	DRAWING NUMBER 35820	REV LTR C
SCALE NONE	DATE 03/01/01	PAGE 9	

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