

## CAPACITOR SPECIFICATION

PART NUMBER: **440PD860M**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.060	µF	100%	120 Hz, R.T.*
TOLERANCE:	±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 1.24" DIA TERMINAL			
ELECTRODE STUD:	M10 x 1.5 x 12mm Deep Thd			
DIMENSIONS:	4.0 x 6.0 x ~ 10.0	inches		
	102 x 152 x ~ 254	mm		
APPROX. WEIGHT:	10.9	lbs		
	5.0	kg		

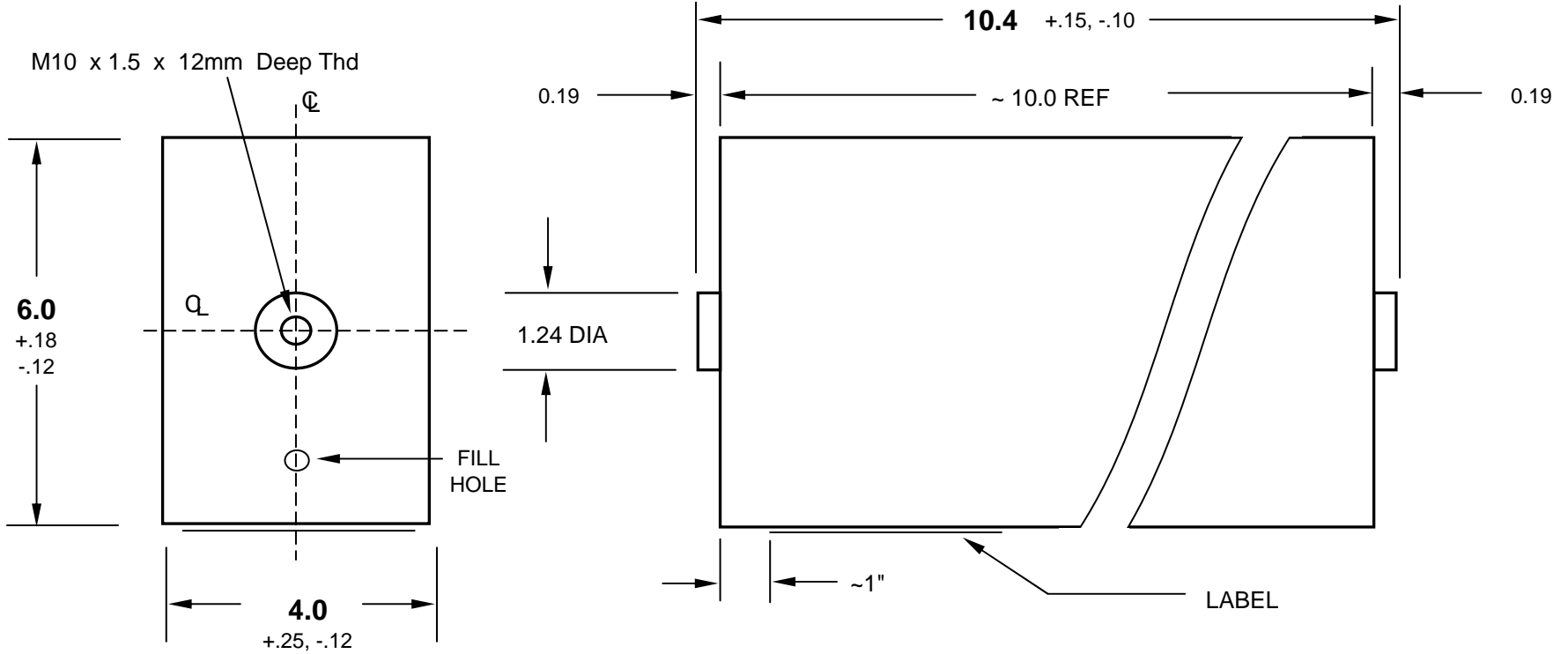
**NOTES:**


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

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

\* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	<b>A</b>	<b>58307</b>	<b>35820</b>	<b>D</b>
	<b>SHEET 2B</b>			



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS                      ANGLES .X ± .1                              ± 2° .XX ± .03 .XXX ± .010 DO NOT SCALE DRAWING	CONTRACT NO.		 4949 GREENCRAIG LANE    SAN DIEGO, CA 92123			
			APPROVALS	DATE			TITLE <b>CAPACITOR PART No. 440PD860M</b> <b>0.06 µF ± 10% , 40 kV</b>	
		TREATMENT	DRAWN		SIZE	FSCM	DRAWING NUMBER	REV LTR
		FINISH	CHECKED					
NEXT ASSY	USED ON	SIMILAR TO	ENGR	JEG	A	58307	35820	D
APPLICATION			SPECIAL MARKING SYS	DESIGN ACTIVITY				
			GOVERNMENT ACTIVITY		SCALE - NONE	DATE: 7/12/2001	SHEET 9B of 9	