

CAPACITOR SPECIFICATION

PART NUMBER: **450PD840M**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.04	μF	100%	120 Hz, R.T.*
TOLERANCE:	±10	%		
RATED VOLTAGE:	50	kV		
TEST VOLTAGE:	100	kV	100%	60 sec HIPOT
RATED ENERGY:	50	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
MAX. PEAK CURRENT:	50	kA		
MAX. RMS CURRENT	65	Amps		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	3.00E+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	50	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 10.5	inches		
	102 x 152 x 267	mm		
APPROX. WEIGHT:	11.7	lbs		
	5.3	kg		

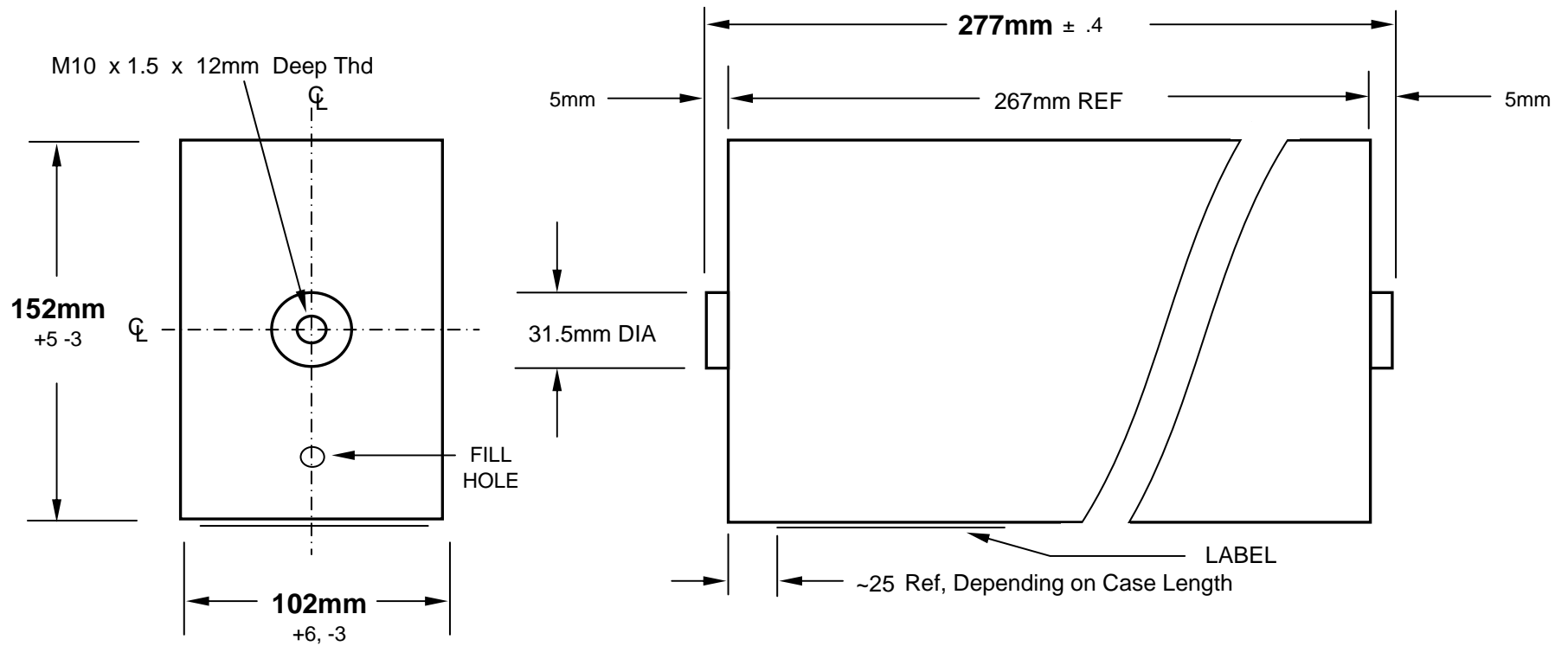
NOTES:


NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: BTDP IMPREGNANT (non-PCB)

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	35832	G
	SHEET 2B			



		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		
		TREATMENT	DRAWN		SIZE FSCM DRAWING NUMBER REV LTR A 58307 35832 G	
		FINISH	ENGR	MC		
NEXT ASSY	USED ON	SIMILAR TO	SPECIAL MARKING SYS	DESIGN ACTIVITY	SCALE - NONE	DATE: 08/25/99
				GOVERNMENT ACTIVITY		SHEET 9B of 9