

CAPACITOR SPECIFICATION

PART NUMBER: **330DM418**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	185	μF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	3.0	kV		
TEST VOLTAGE:	4.0	kV	100%	60 sec HIPOT
RATED ENERGY:	833	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
RATED PEAK CURRENT:	10	kA		
MAX. PEAK CURRENT (FAULT):	15 (FAULT)	kA		
MAX. RMS CURRENT	65	A		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-20	°C		
DESIGN LIFE AT RATED:	2.8E+08	charge / discharge cycles		
DC LIFE:	7.8E+03	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.30	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	200	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DRAWN METAL CAN			
BUSHING:	2 ea 7.5 kV CERAMIC PILLAR, COMPRESSION SEAL			
ELECTRODE:	2 ea 1/4-20 x 0.45 WITH 2 NUTS PER TERMINAL			
DIMENSIONS:	3.75 x 4.56 x 7.75	inches		
	95 x 116 x 197	mm		
WEIGHT:	5.0	lbs		
	2.3	kg		

NOTES:

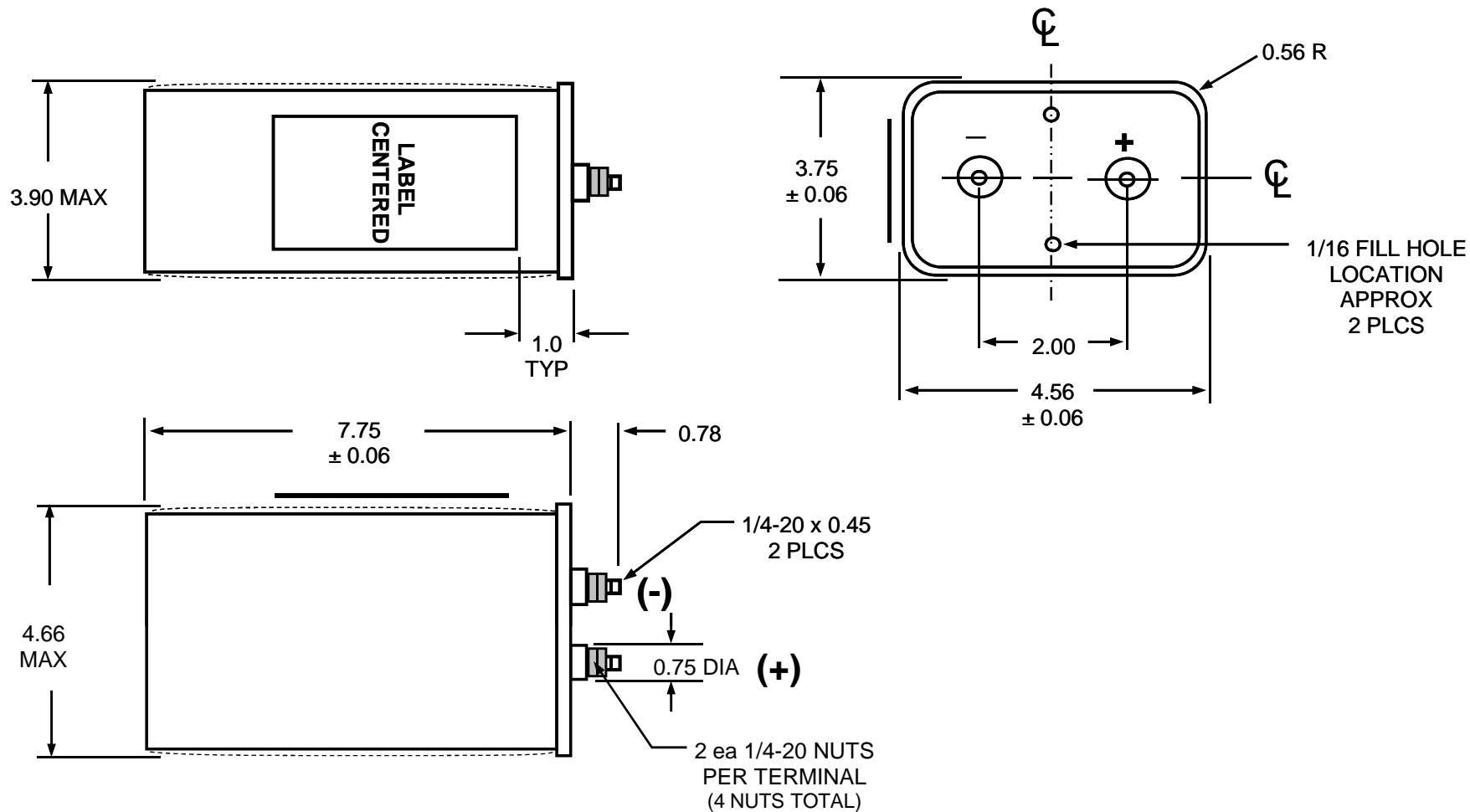
NOTE 1: LEAK TEST: 100 % test and inspection


NOTE 2: IMPREGNANT : RSO (non-PCB)

NOTE 3: OPERATION IN ANY POSITION

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV	LTR
	A	58307	39731	F	
			SHEET 2		



		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 CAPACITOR PART No. 330DM418 185 µF ± 10%, 3 kV		
		TREATMENT	DRAWN			SIZE	FSCM	DRAWING NUMBER	REV LTR
		FINISH	CHECKED			A	58307	39731	F
NEXT ASSY	USED ON	SIMILAR TO	ENGR	MC					
APPLICATION		SPECIAL MARKING SYS	DESIGN ACTIVITY			SCALE - NONE		DATE: 11/10/04	SHEET 9 of 9
			GOVERNMENT ACTIVITY						