

CAPACITOR SPECIFICATION

PART NUMBER: **35404**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.02	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	100	kV		
TEST VOLTAGE:	110 Min	kV	100%	60 sec HIPOT
RATED ENERGY:	100.0	Joules		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REVERSAL:	50 (FAULT)	%		
RATED PEAK CURRENT:	25	kA		
MAX. PEAK CURRENT:	50 (FAULT)	kA		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	5.0E+04	charge / discharge cycles		
DC LIFE:	N/A	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.25	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	12	nH		SAMPLE STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF		SAMPLE DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	PLASTIC CASE, DOUBLE ENDED			
BUSHING:	2 x 1/2 wide x 3" long Brass Rails			
TERMINALS:	1 RAIL with 2 ea 10-32 UNF-2B Holes on each End.			
DIMENSIONS:	2.3 x 5.9 x 6.0	inches		
	58 x 150 x 152	mm		
APPROXIMATE WEIGHT:	4.4	lbs		
	2.0	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: Castor Oil IMPREGNANT (non-PCB)

* R.T. = Room temperature (23 ± 7 °C)

	SIZE A	FSCM 58307	DRAWING NUMBER 35404	REV LTR H
	SHEET 2			

CAPACITOR SPECIFICATION

PART NUMBER: 35404M

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.02	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	100	kV		
TEST VOLTAGE:	110 Min	kV	100%	60 sec HIPOT
RATED ENERGY:	100.0	Joules		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REVERSAL:	50 (FAULT)	%		
RATED PEAK CURRENT:	25	kA		
MAX. PEAK CURRENT:	50 (FAULT)	kA		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	5.0E+04	charge / discharge cycles		
DC LIFE:	N/A	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.25	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	12	nH		SAMPLE STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF		SAMPLE DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	PLASTIC CASE, DOUBLE ENDED			
BUSHING:	2 x 12.8mm wide x 76.2mm long Plated Brass Rails			
TERMINALS:	1 RAIL with 2 ea M5 x 0.8 Holes on each End.			
DIMENSIONS:	2.3 x 5.9 x 6.0	inches		
	58 x 150 x 152	mm		
APPROXIMATE WEIGHT:	4.4	lbs		
	2.0	kg		

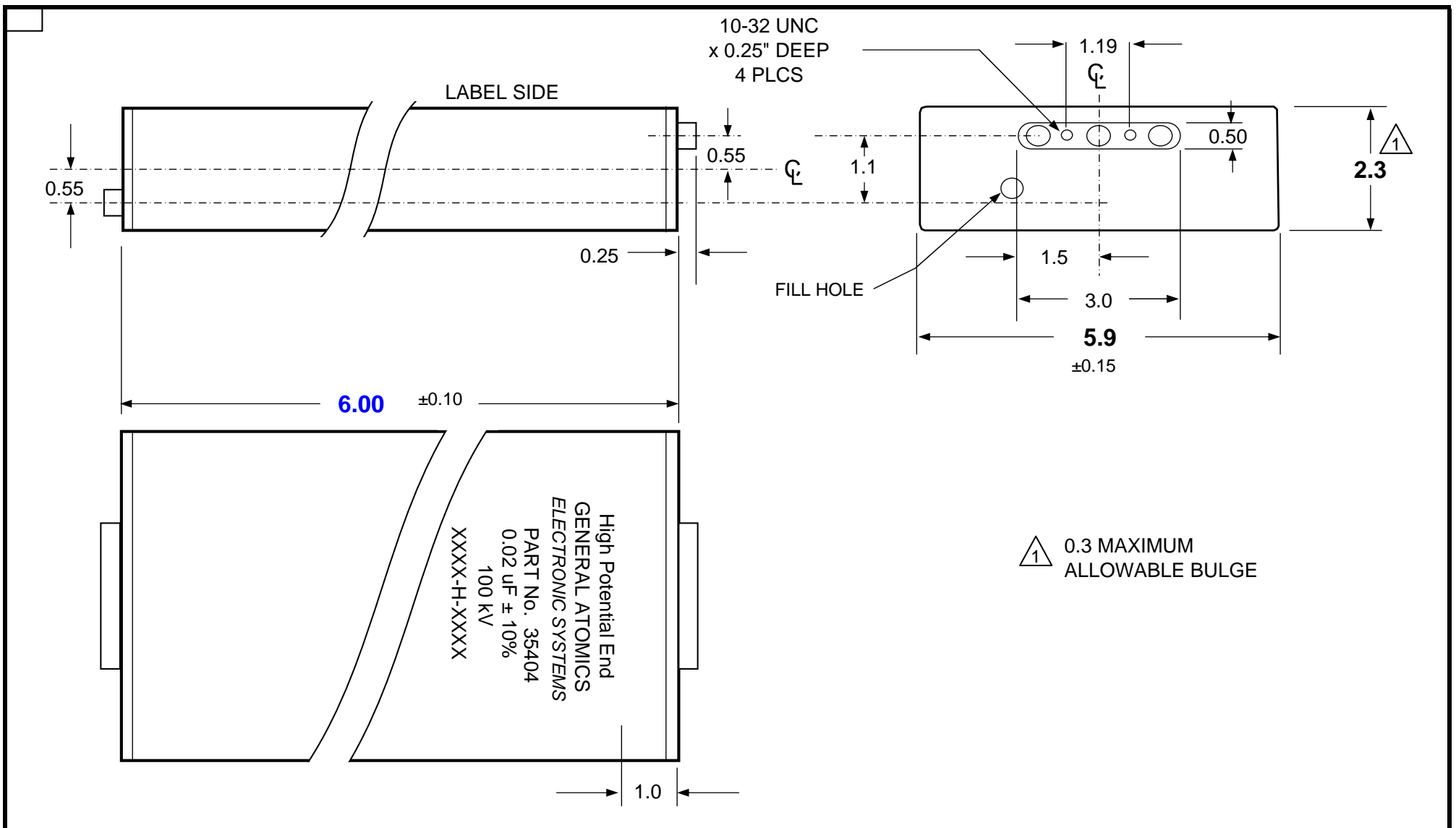
NOTES:


NOTE 1: LEAK TEST: 100 % test and inspection

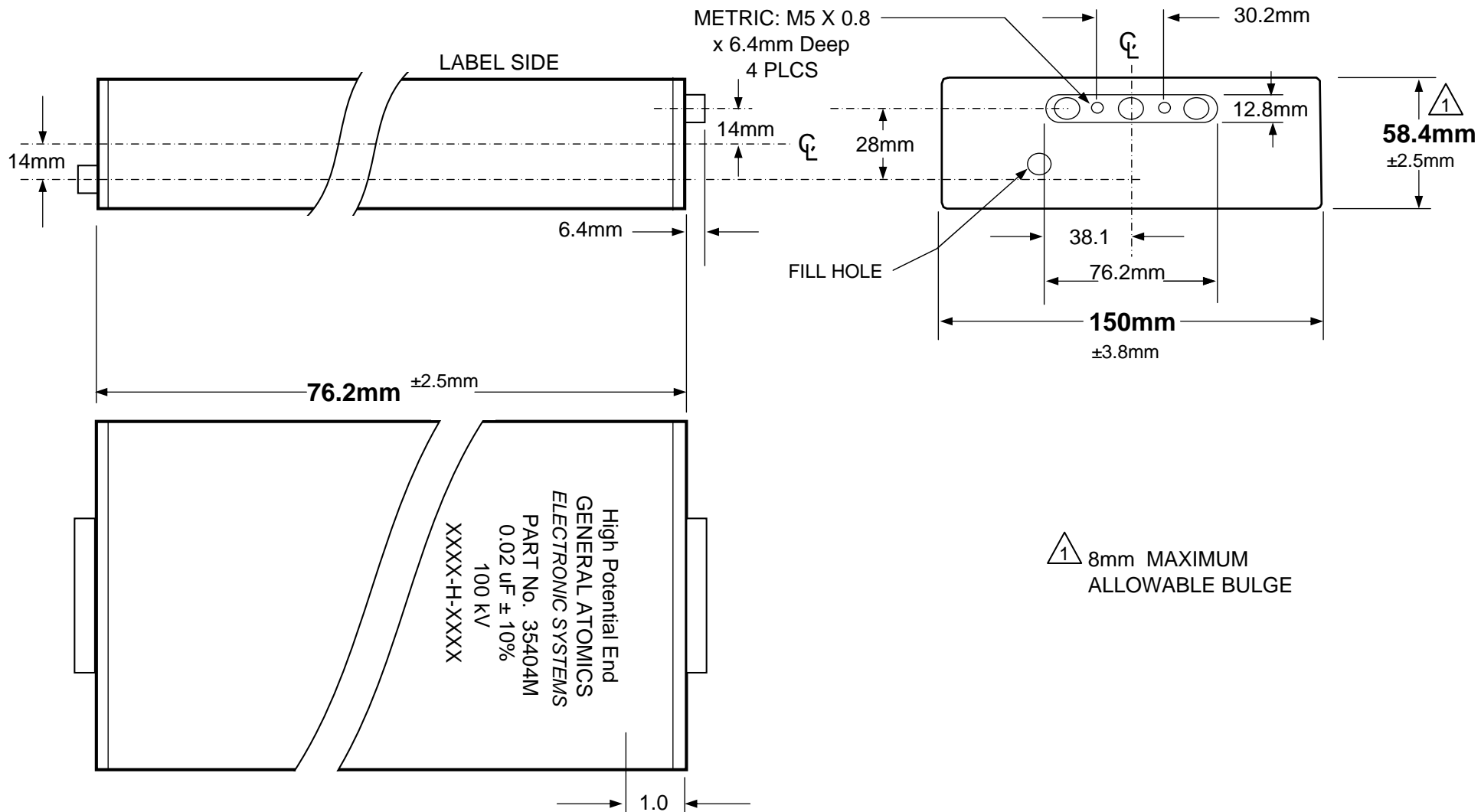
NOTE 2: Castor Oil IMPREGNANT (non-PCB)


* R.T. = Room temperature (23 ± 7 °C)

	SIZE A	FSCM 58307	DRAWING NUMBER 35404	REV LTR H
	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	TITLE CAPACITOR PART No. 35404 0.02 uF ± 10%, 100 kV
		TREATMENT	DRAWN				SIZE	FSCM	DRAWING NUMBER	REV LTR
		FINISH	CHECKED				A	58307	35404	H
NEXT ASSY	USED ON	SIMILAR TO	ENGR Robert Cooper				SCALE - NONE		DATE: 8/13/2001	SHEET 9 of 9
APPLICATION		SPECIAL MARKING SYS	DESIGN ACTIVITY							
			GOVERNMENT ACTIVITY							



		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 Robert Cooper		SIZE A		FSCM 58307	DRAWING NUMBER 35404	REV LTR H
NEXT ASSY	USED ON	FINISH	ENGR Robert Cooper		DESIGN ACTIVITY		SCALE - NONE		DATE: 8/13/2001
APPLICATION		SIMILAR TO	SPECIAL MARKING SYS		GOVERNMENT ACTIVITY		DATE: 8/13/2001		SHEET 9B of 9