

CAPACITOR SPECIFICATION

PART NUMBER: **35306T**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.22	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 5	%		
RATED VOLTAGE:	30.0	kV		
TEST VOLTAGE:	35.0	kV	100%	60 sec HIPOT
RATED ENERGY:	99	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	50	kA		
MAX. CONTINUOUS REP RATE:	100	pps		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	1.5E+08	@ 28 KV	charge / discharge cycles	
DC LIFE:	1.0E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.30	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	70	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DOUBLE ENDED PLASTIC CASE			
BUSHING:	FEMALE ELECTRODE			
ELECTRODE STUD:	.38-16 x .5 UNC			
DIMENSIONS:	4.0 x 6.0 x 10.5	inches		
	102 x 152 x 267	mm		
WEIGHT:	1.0	lbs		
	0.4	kg		

NOTES:

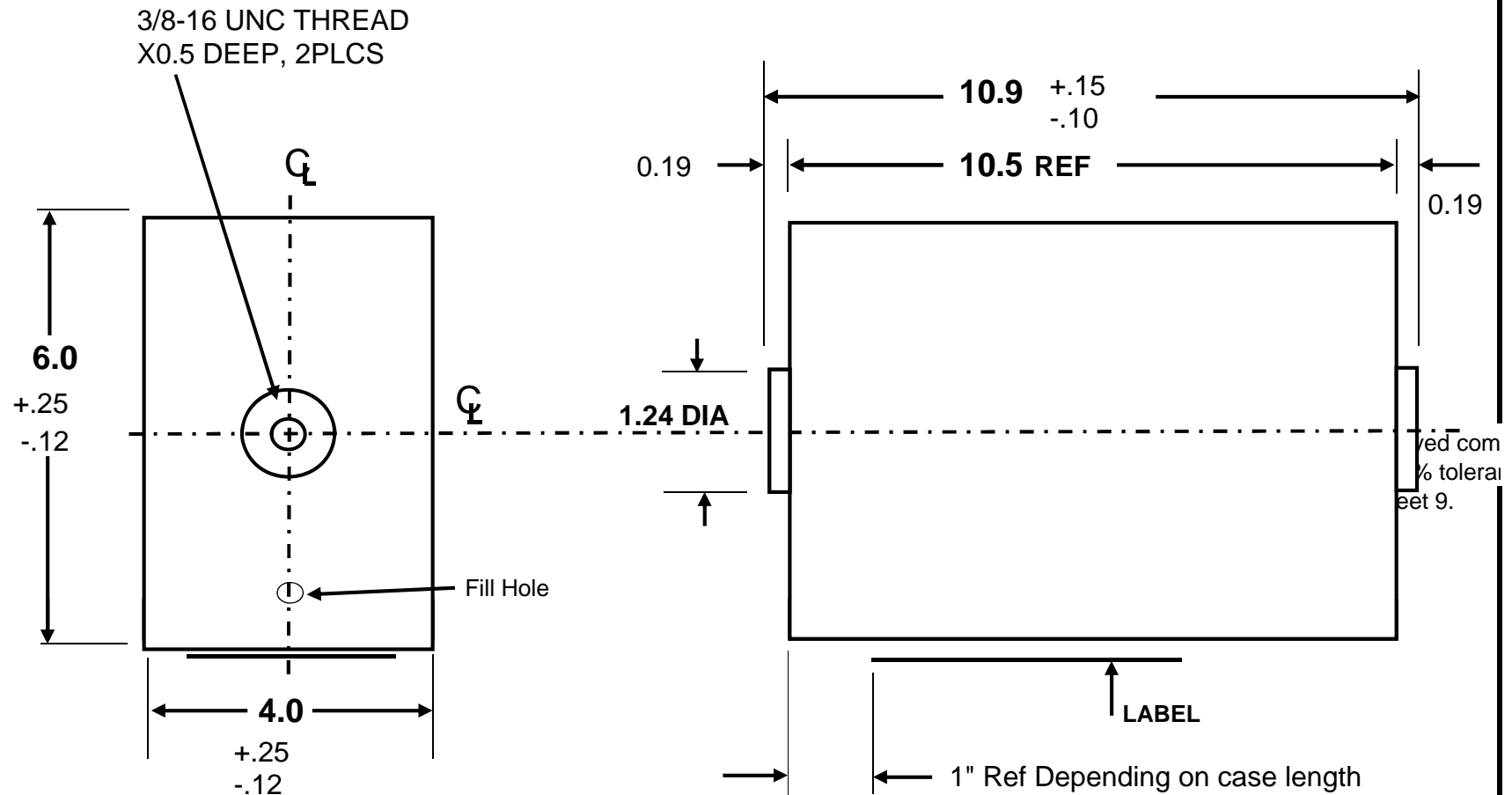
NOTE 1: LEAK TEST: 100 % test and inspection


NOTE 2: Castor Oil IMPREGNANT (non-PCB)

NOTE 3:

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	35306	E
			SHEET 2B	



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO.		 GENERAL ATOMICS ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO, CA 92123			
		DECIMALS ANGLES .X ± .1 ± 2° .XX ± .03 .XXX ± .010		APPROVALS		DATE		TITLE	
		DO NOT SCALE DRAWING		DRAWN				CAPACITOR PART No. 35306T	
		TREATMENT		CHECKED				0.22 uF ± 5%, 30 kV	
		FINISH		ENGR		JRM		SIZE	
NEXT ASSY	USED ON	SIMILAR TO		DESIGN ACTIVITY				FSCM	
APPLICATION		SPECIAL MARKING SYS		GOVERNMENT ACTIVITY				DRAWING NUMBER	
								35306	
								REV LTR	
								E	
								SCALE - NONE	
								DATE: 3/24/97	
								SHEET 9 of 9B	