

CAPACITOR SPECIFICATION

PART NUMBER: 31662

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.090	μF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	40	kV		
TEST VOLTAGE:	44	kV	100%	60 sec HIPOT
RATED ENERGY:	72	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
MAX. PEAK CURRENT:	25	kA		
MAX. RMS CURRENT	25	Amps		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	1.0E+08	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	80	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:	.38-16 UNC x 0.5 Deep Thd			
DIMENSIONS:	4.0 x 6.0 x 13.0	inches		
	102 x 152 x 330	mm		
APPROX. WEIGHT:	14.4	lbs		
	6.6	kg		

NOTES:

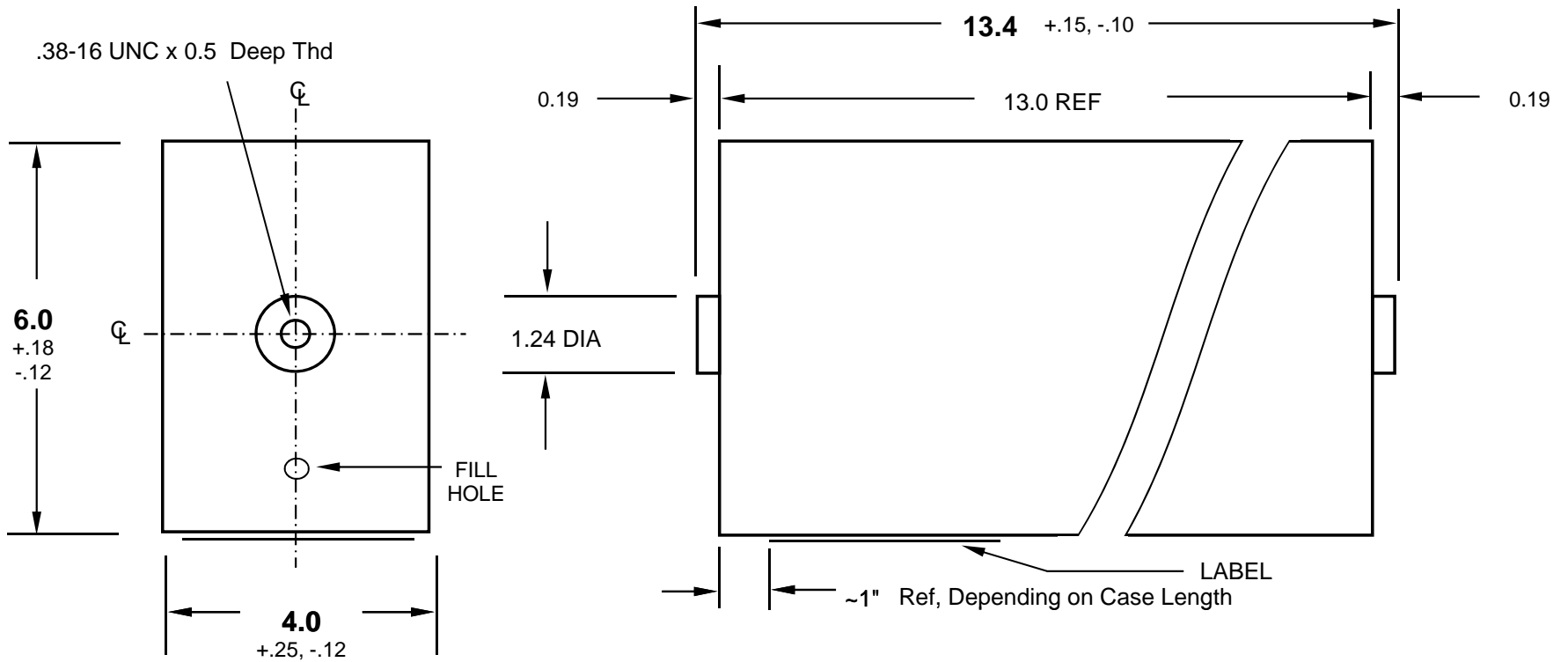
NOTE 1: LEAK TEST: 100 % test and inspection


NOTE 2: CASTOR IMPREGNANT (non-PCB)

NOTE 3: CONSOLT FACTORY FOR DE-RATED OPERATION LIMITS.

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	31662	N
	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.		 GENERAL ATOMICS ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO, CA 92123			
			APPROVALS				DATE	
		TREATMENT	DRAWN		TITLE CAPACITOR PART No. 31662 0.09 µF ± 10% , 40 kV			
		FINISH	CHECKED		SIZE	FSCM	DRAWING NUMBER	REV LTR
NEXT ASSY	USED ON		ENGR		A	58307	31662	N
APPLICATION		SIMILAR TO	DESIGN ACTIVITY		SCALE - NONE		DATE: 12/12/86	SHEET 9 of 9
		SPECIAL MARKING SYS	GOVERNMENT ACTIVITY					