

## CAPACITOR SPECIFICATION

PART NUMBER: **330DM550**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	50	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	3.0	kV		
TEST VOLTAGE:	5.0	kV	100%	60 sec HIPOT
RATED ENERGY:	225	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
RATED PEAK CURRENT:	2.3	kA		
MAX. PEAK CURRENT (FAULT):	4.6	kA		
MAX. RMS CURRENT	24.5	A		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-20	°C		
DESIGN LIFE AT RATED:	2.0E+08	charge / discharge cycles		
DC LIFE:	5.6E+04	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.30	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	400	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 UNF-2A			
CASE TERMINAL:	NONE			
DIMENSIONS:	3.75 x 4.56 x 7.25	inches		
	95 x 116 x 184	mm		
WEIGHT:	4.9	lbs		
	2.2	kg		

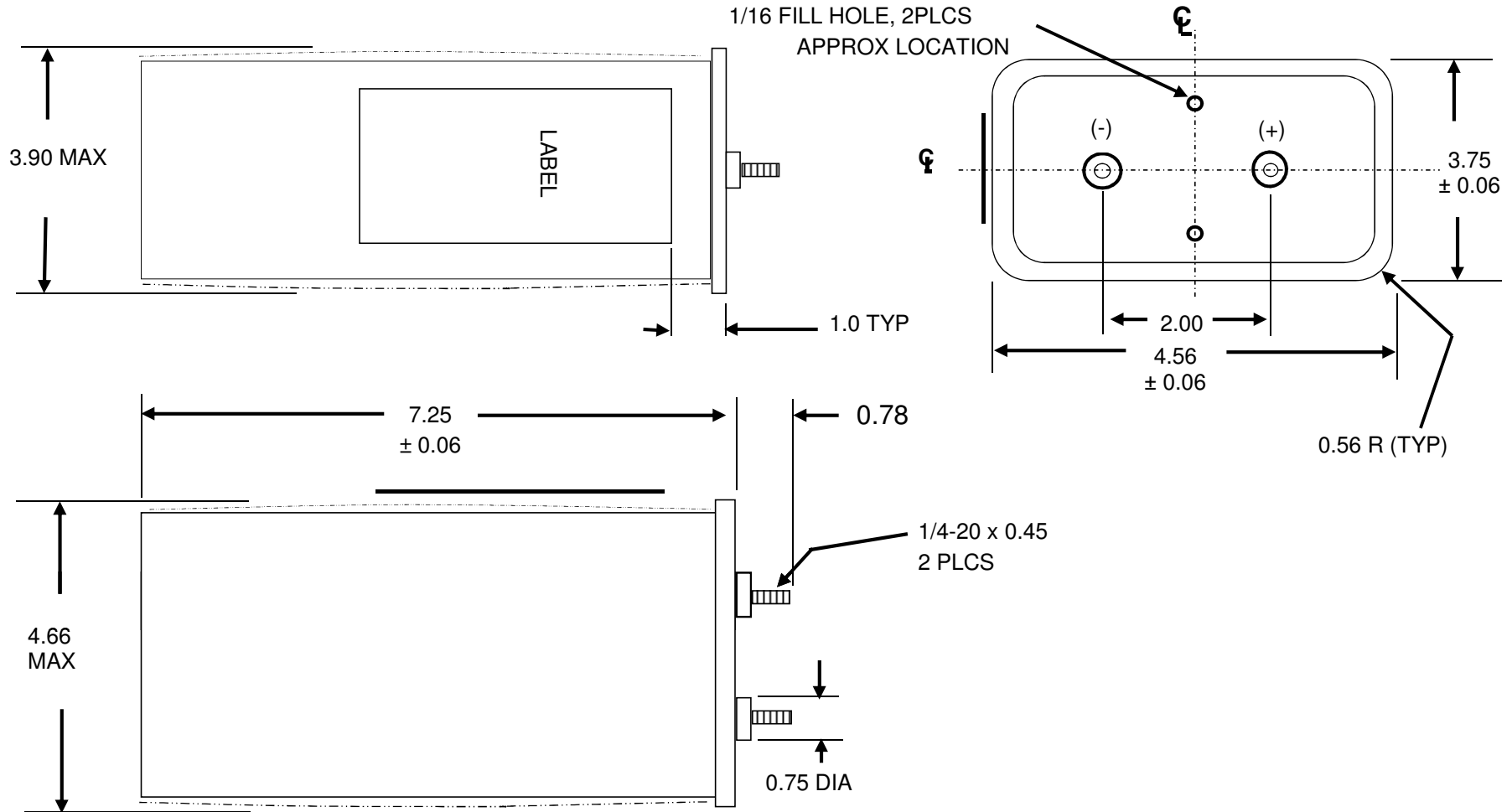
**NOTES:**


**NOTE 1:** LEAK TEST: 100 % test and inspection

**NOTE 2:** IMPREGNANT : RSO (non-PCB)

\* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	<b>A</b>	<b>58307</b>	<b>39664</b>	<b>G</b>
	<b>SHEET 2</b>			



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS            ANGLES .X ± .1                ± 2' .XX ± .03 .XXX ± .010	CONTRACT NO.		 <b>GENERAL ATOMICS ELECTRONIC SYSTEMS</b> 4949 GREENCRAIG LANE    SAN DIEGO, CA 92123			
			DO NOT SCALE DRAWING					
		TREATMENT	DRAWN		TITLE <b>CAPACITOR PART No. 330DM550</b>			
		FINISH	CHECKED		50 uF ± 10%, 3 kV			
NEXT ASSY	USED ON	SIMILAR TO	ENGR	MC	SIZE	FSCM	DRAWING NUMBER	REV LTR
APPLICATION		SPECIAL MARKING SYS	DESIGN ACTIVITY		<b>A</b>	<b>58307</b>	<b>39664</b>	<b>G</b>
			GOVERNMENT ACTIVITY		SCALE - NONE		DATE: 6/6/05	SHEET 9 of 9