

## CAPACITOR SPECIFICATION

PART NUMBER:     **315DM433**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	330	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	1.5	kV		
TEST VOLTAGE:	2.5	kV	100%	60 sec HIPOT
RATED ENERGY:	371	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
RATED PEAK CURRENT:	7.7	kA		
MAX. PEAK CURRENT (FAULT):	11.6 (FAULT)	kA		
MAX. RMS CURRENT	60	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	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 UNF-2A			
CASE TERMINAL:	NONE			
DIMENSIONS:	3.75 x 4.56 x 10.50	inches		
	95 x 116 x 267	mm		
WEIGHT:	7.1	lbs		
	3.2	kg		

**NOTES:**

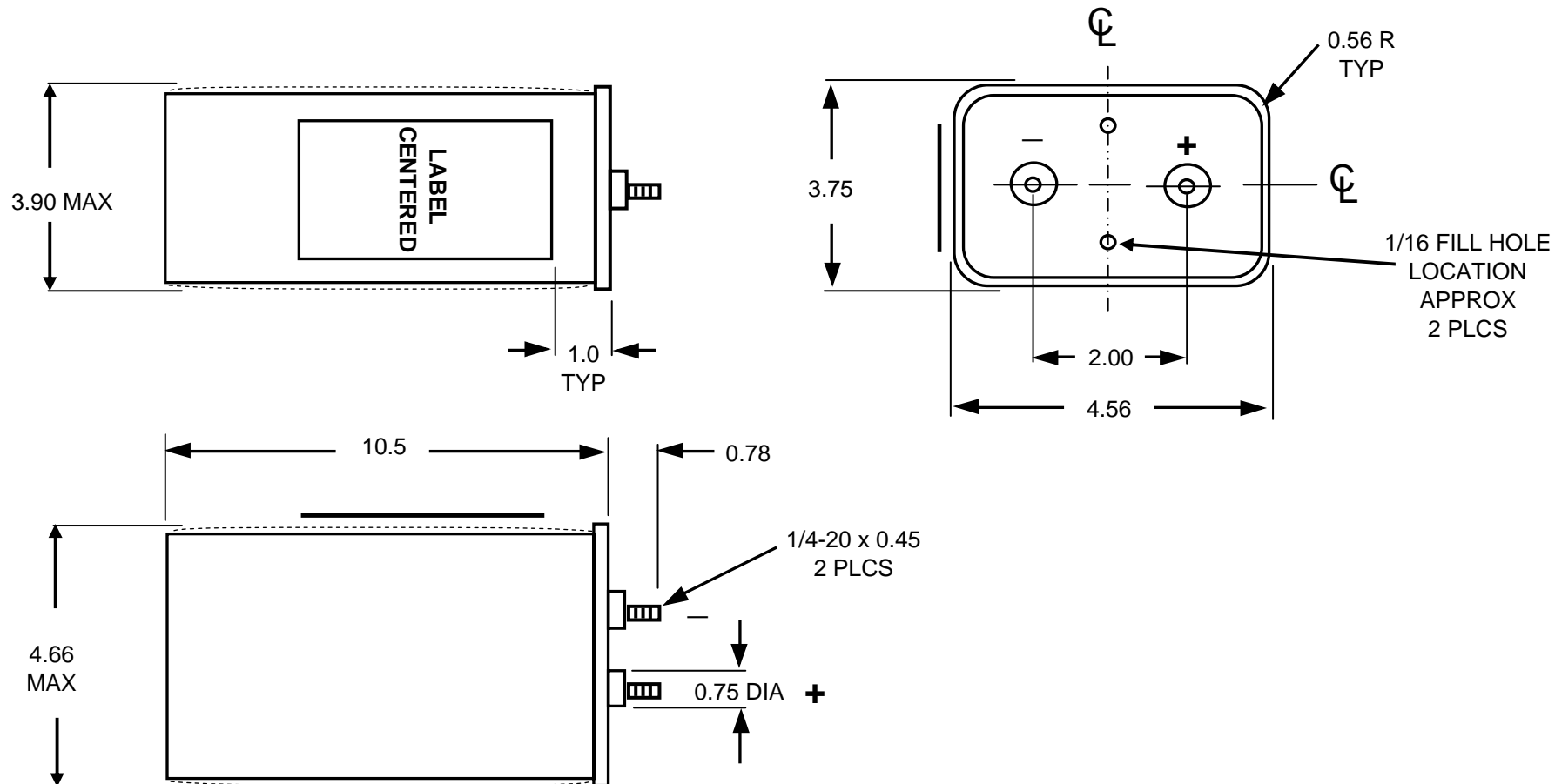
**NOTE 1:** LEAK TEST: 100 % test and inspection


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

**NOTE 3:** OPERATION IN ANY POSITION

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

	SIZE	FSCM	DRAWING NUMBER	REV
	<b>A</b>	<b>58307</b>	<b>39656</b>	<b>D</b>
	<b>SHEET 2</b>			



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS            ANGLES .X ± .1                ± 2° .XX ± .03 .XXX ± .010 DO NOT SCALE DRAWING	CONTRACT NO.		 <b>GENERAL ATOMICS ELECTRONIC SYSTEMS</b> 4949 GREENCRAIG LANE    SAN DIEGO, CA 92123					
			APPROVALS						DATE	
		TREATMENT	DRAWN		MC		CAPACITOR PART No. 315DM433 330 uF ± 10%, 1.5 kV			
		FINISH	CHECKED				SIZE	FSCM	DRAWING NUMBER	REV LTR
NEXT ASSY	USED ON	SIMILAR TO	SPECIAL MARKING SYS	ENGR	MC		A	58307	39656	D
APPLICATION				DESIGN ACTIVITY			SCALE - NONE		DATE:01/22/99	SHEET 9 of 9
				GOVERNMENT ACTIVITY						