

CAPACITOR SPECIFICATION

PART NUMBER: **30552**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	50	μF	100%	120 Hz, R.T.*
TOLERANCE:	±10	%		
RATED VOLTAGE:	5.0	kV		
TEST VOLTAGE:	5.5	kV	100%	60 sec HIPOT
RATED ENERGY:	625	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	50	%		
RATED PEAK CURRENT:	25	kA		
MAX. CONTINUOUS REP RATE:	30	pps		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE:	2.0E+05	charge / discharge cycles		
DC LIFE:	2.5E+04	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.40	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	170	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-μF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DRAWN METAL CAN			
BUSHING:	0.87" TALL CERAMIC PILLAR			
ELECTRODE:	10-32 UNF			
CASE DIMENSIONS:	3.75 x 4.56 x 10.5	inches		
	95 x 116 x 267	mm		
WEIGHT:	10.2	lbs		
	4.6	kg		

NOTES:

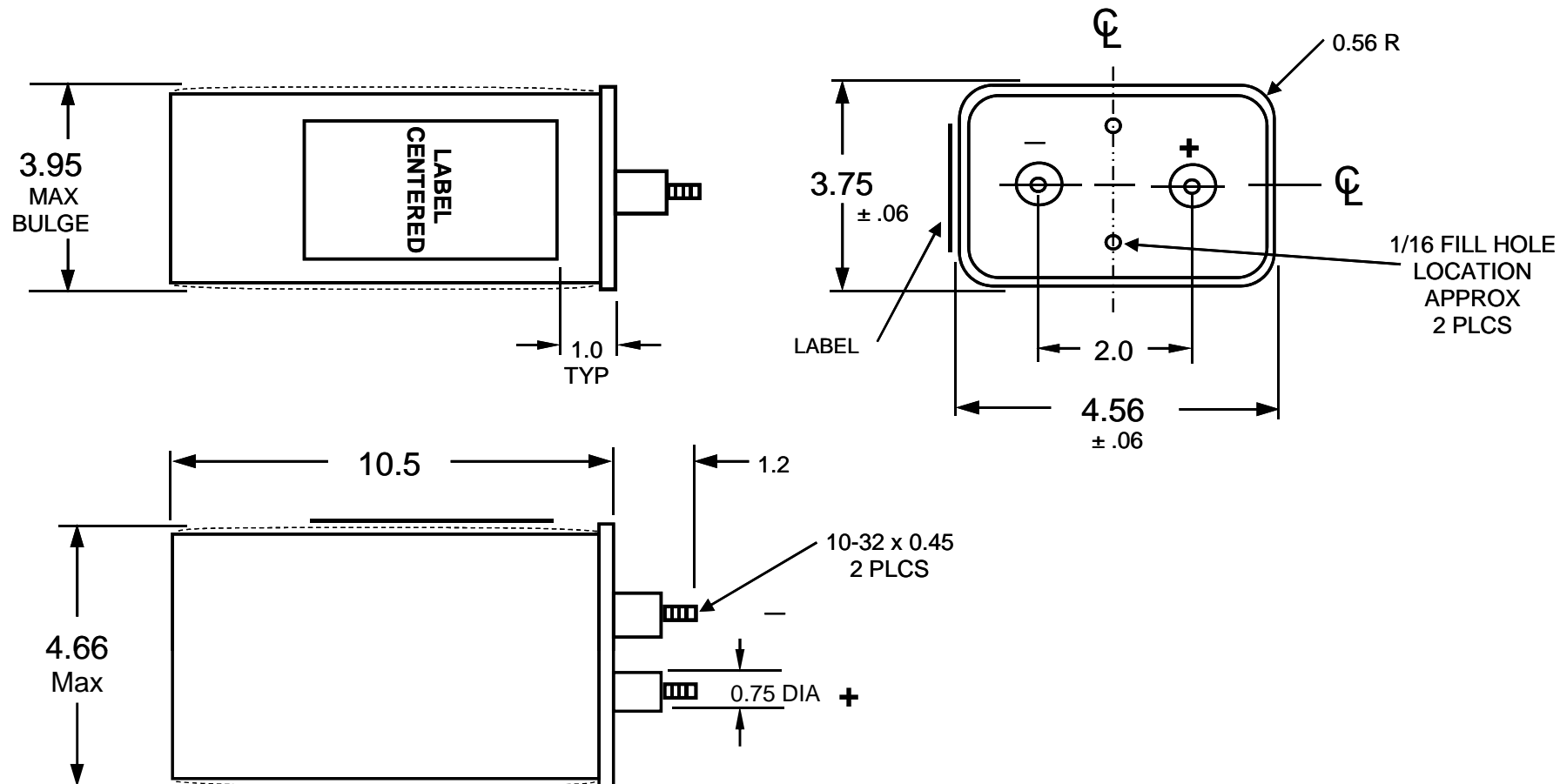
NOTE 1: LEAK TEST: 100 % test and inspection


NOTE 2: BTDP IMPREGNANT (non-PCB)

NOTE 3: ANY OPERATION POSITION

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV
	A	58307	30552	V
	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		SIZE		FSCM	DRAWING NUMBER	REV LTR
		FINISH	ENGR JEG		A		58307	30552	V
NEXT ASSY	USED ON	SIMILAR TO	SPECIAL MARKING SYS		SCALE - NONE		DATE: 11/22/85		SHEET 9 of 9
APPLICATION				GOVERNMENT ACTIVITY					