



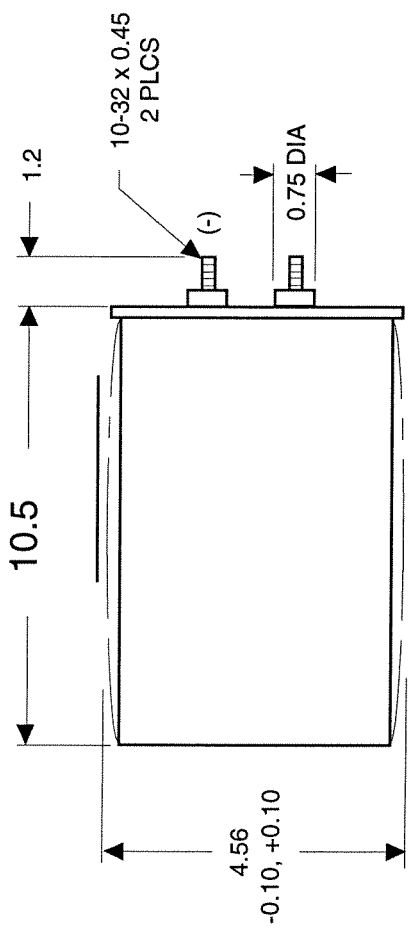
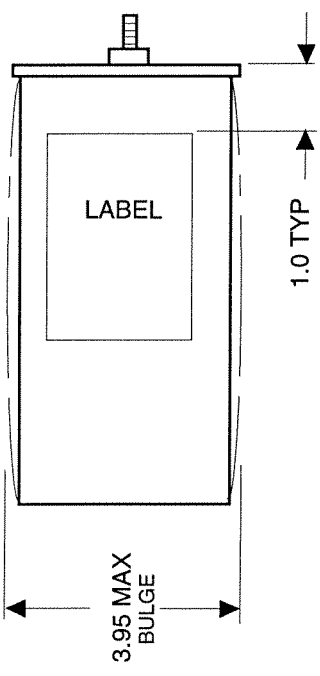
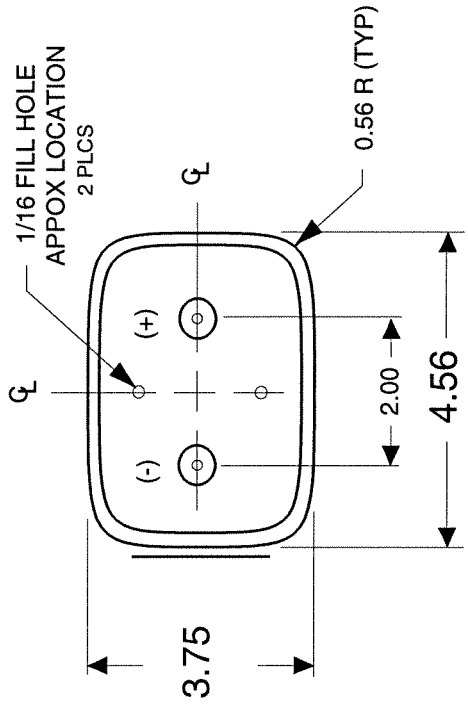
CAPACITOR SPECIFICATION

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 , -10	%		
RATED VOLTAGE:	5.0	kVdc		
TEST VOLTAGE:	5.5	kVdc	100%	60 sec HIPOT
RATED ENERGY:	625	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	50	%		
MAX. 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 AT RATED:	2.0E+05	charge / discharge cycles		
DC LIFE:	25000	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.30	%	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:	0.88" TALL CERAMIC PILLAR			
ELECTRODE STUD:	10-32 UNF			
DIMENSIONS:	3.75 x 4.56 x 10.5	inches		
	95 x 116 x 267	mm		
WEIGHT:	8.5	lbs		
	3.9	kg		
NOTES:	NOTE1: LEAK TEST: 100 % test and inspection NOTE 2: BTDP or IPB IMPREGNANT (non-PCB) NOTE 3: ANY OPERATING POSITION			

*R.T. = room temperature

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	30552	R
			SHEET	2



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
TITLE OUTLINE DRAWING		REV LTR R	
SIZE A		DRAWING NUMBER 30552	
SCALE NONE		DATE 3/4/97	
CONTRACT NUMBER		REVISION 50 μ F \pm 10 %, 5.0 kVDC	
DATE		DRAWING NUMBER 30552	
PREPARED		DRAWING NUMBER 30552	
CHECKED		DATE 3/4/97	
ENGINEER Robert Cooper		PAGE 9 OF 9	
DESIGN ACTIVITY APPROVAL		REV LTR R	
GOVERNMENT ACTIVITY APPROVAL		REVISION 50 μ F \pm 10 %, 5.0 kVDC	

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X \pm .1 .XX \pm .03 .XXX \pm .010	
PROJECT MANAGER Robert Cooper	
PROJECT ENGINEER Robert Cooper	
APPROVED	
CHECKED BY	
DRAWN BY	

CONTRACT NUMBER	
DATE	
PREPARED	
CHECKED	
ENGINEER	
DESIGN ACTIVITY APPROVAL	
GOVERNMENT ACTIVITY APPROVAL	
USED ON	
APPLICATION	