



CAPACITOR SPECIFICATION

MODEL NUMBER: **30854**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	42.0	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	5.0	KVdc		
TEST VOLTAGE:	5.5	KVdc	100%	60 sec HIPOT
RATED ENERGY:	525	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	0.2	kA		
MAX. CONTINUOUS REP RATE:	0.08	pps		
MAX. RMS CURRENT	5	A		
MAX. OPERATING TEMP.	65	oC		
MIN. OPERATING TEMP.	-10	oC		
DESIGN LIFE AT RATED:	1.5E+04	charge / discharge cycles		
DC LIFE:	50	hours		
RELIABILITY AT LIFE:	99	%		
MAX. DISSIPATION FACTOR	0.80	%	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 QUICK-CONNECT TERMINALS			
ELECTRODE STUD:	FOUR BLADES			
DIMENSIONS:	1.96 x 3.66 x 6.75	inches		
	50 x 93 x 171	mm		
WEIGHT:	3.0	lbs		
	1.4	kg		

NOTES:

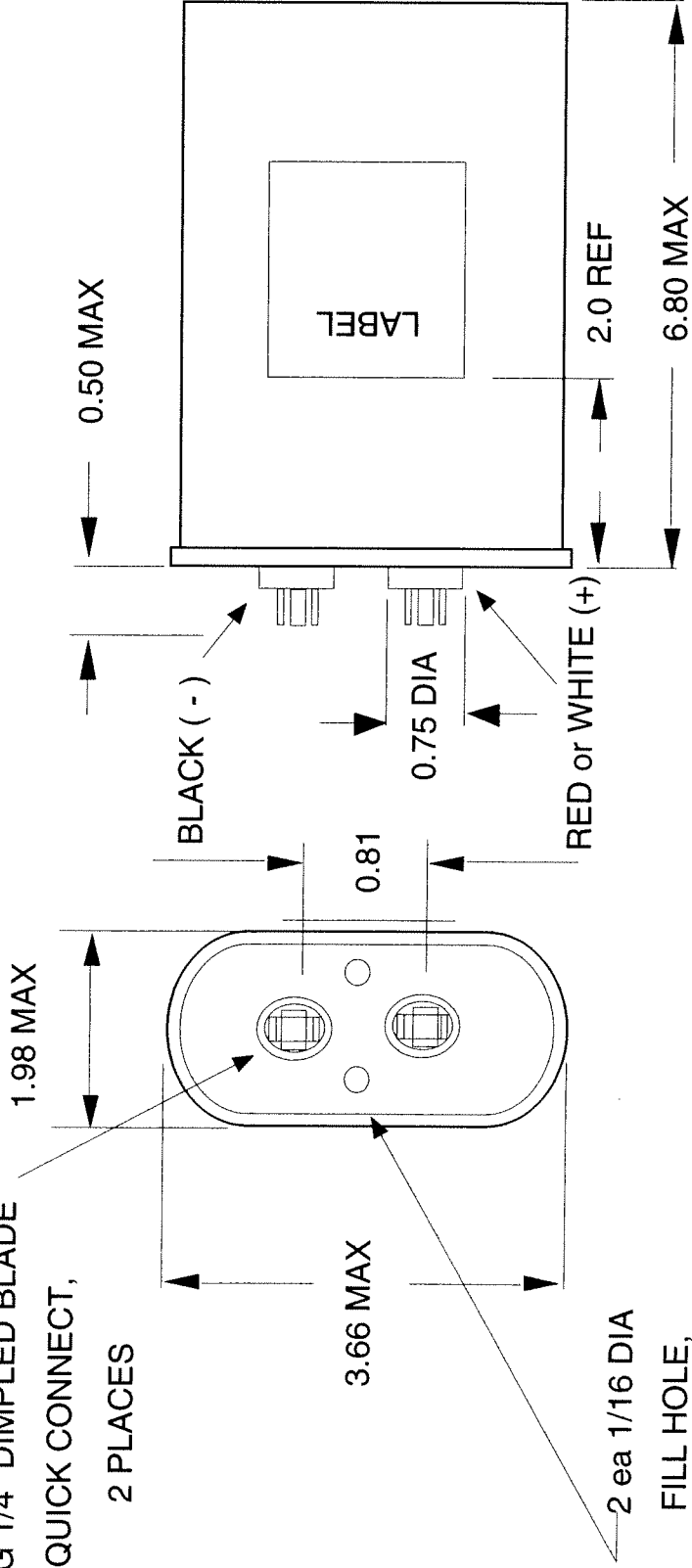
NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: CO IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE	FSCM	DRAWING NUMBER	REV
	A	58307	30854	LTR
				M
			SHEET	2

4-LEG 1/4" DIMPLED BLADE
QUICK CONNECT,
2 PLACES



1) BLACK BUSHING DENOTES OUTERMOST ELECTRODE AND SHOULD BE KEPT CLOSEST TO CAN POTENTIAL

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		CONTRACT NUMBER	
PROJECT MANAGER	PROJECT ENGINEER	APPROVED	CHECKED BY
DATE	PREPARED	ENGINEER	DESIGN ACTIVITY APPROVAL
GENERAL ATOMICS Energy Products	SORRENTO ELECTRONIC 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	TITLE OUTLINE DRAWING	
SIZE A	FSCM 58307	DRAWING NUMBER 30854	REV LTR M
CAPACITOR, MODEL 30854 42.0 uF ± 10.0 %, 5.0 kV		SCALE NONE	
NEXT ASSY APPLICATION	USED ON	DATE	PAGE 9 OF 10