



CAPACITOR SPECIFICATION

PART NUMBER: **31157**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	0.30	µF	100%	120 Hz, R.T.*
TOLERANCE:	+10, -10	%		
RATED VOLTAGE:	40.0	kV		
TEST VOLTAGE:	45.0	kV	100%	60 sec HIPOT
RATED ENERGY:	240	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	25	kA		
MAX. CONTINUOUS REP RATE:	1	pps		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	1.0E+05	charge / discharge cycles		
DC LIFE:	3.0E+04	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.35	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	20	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-µF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	Single-Ended Plastic Case (Type "S")			
BUSHING:	50 kV "S"			
TERMINALS:	2 ea RAILS with 2 ea 10-32 UNF-2B Threaded Holes			
DIMENSIONS:	2.3 x 5.9 x 11.8	inches		
	58 x 150 x 298	mm		
WEIGHT:	7.6	lbs		
	3.5	kg		

NOTES:

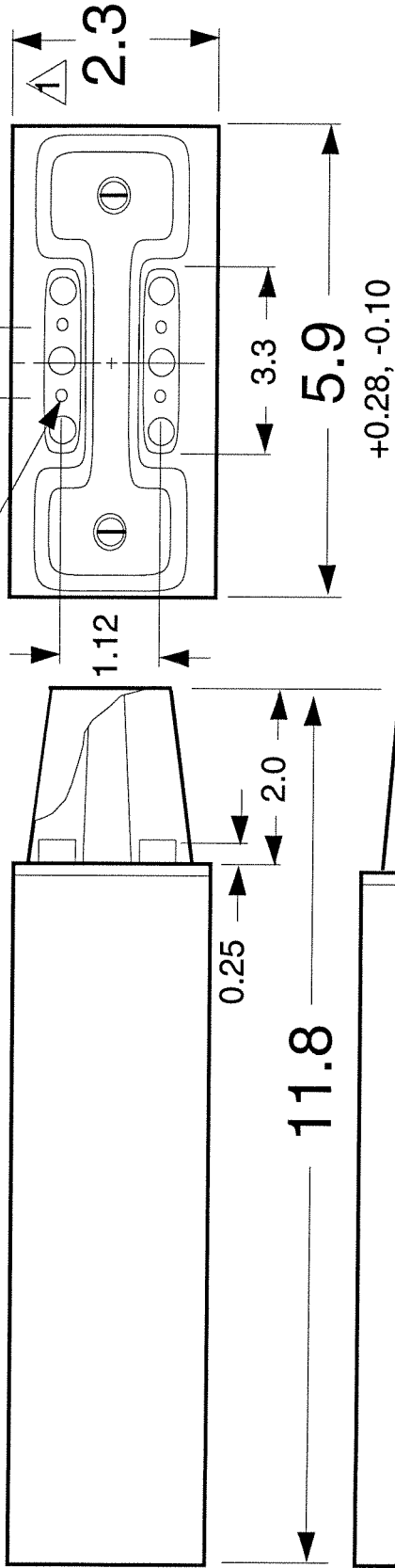
NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: CO IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	31157	H
			SHEET	2

10-32 UNC x 0.25
4 PLCS



▲ 0.3 MAXIMUM
ALLOWABLE BULGE

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		CONTRACT NUMBER DATE PREPARED CHECKED ENGINEER DESIGN ACTIVITY APPROVAL GOVERNMENT ACTIVITY APPROVAL		GENERAL ATOMICS Energy Products ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
PROJECT MANAGER PROJECT ENGINEER APPROVED CHECKED BY DRAWN BY J Bates		TITLE OUTLINE DRAWING PART No. 31157 0.30 μF ± 10 %, 40.0 kV		SIZE A FSCM 58307 DRAWING NUMBER 31157 REV LTR H	
NEXT ASSY APPLICATION		SCALE NONE DATE 08/11/99 PAGE 9 OF 9		USED ON APPLICATION	