



GENERAL ATOMICS

Energy Products

GENERAL ATOMICS ELECTRONIC SYSTEMS

CAPACITORS AND POWER SUPPLIES

CAPACITOR SPECIFICATION

PART NUMBER: 30926

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	240	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 5	%		
RATED VOLTAGE:	1.0	kVdc		
TEST VOLTAGE:	2.0	kVdc	100%	60 sec HIPOT
RATED ENERGY:	120	Joules		
RATED VOLTAGE REVERSAL:	10	%		
MAX. VOLTAGE REVERSAL:	70 (FAULT)	%		
RATED PEAK CURRENT:	0.08	kA		
MAX. PEAK CURRENT:	0.30 (FAULT)	kA		
MAX. RMS CURRENT	5.0	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	20	°C		
DESIGN LIFE AT RATED:	1.0E+07	charge / discharge cycles		
DC LIFE:	2.8E+04	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	1.00	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	100	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 TYPE:	TWO BLADES			
DIMENSIONS:	1.96 x 3.66 x 6.75	inches		
	50 x 93 x 171	mm		
WEIGHT:	1.7	lbs		
	0.8	kg		

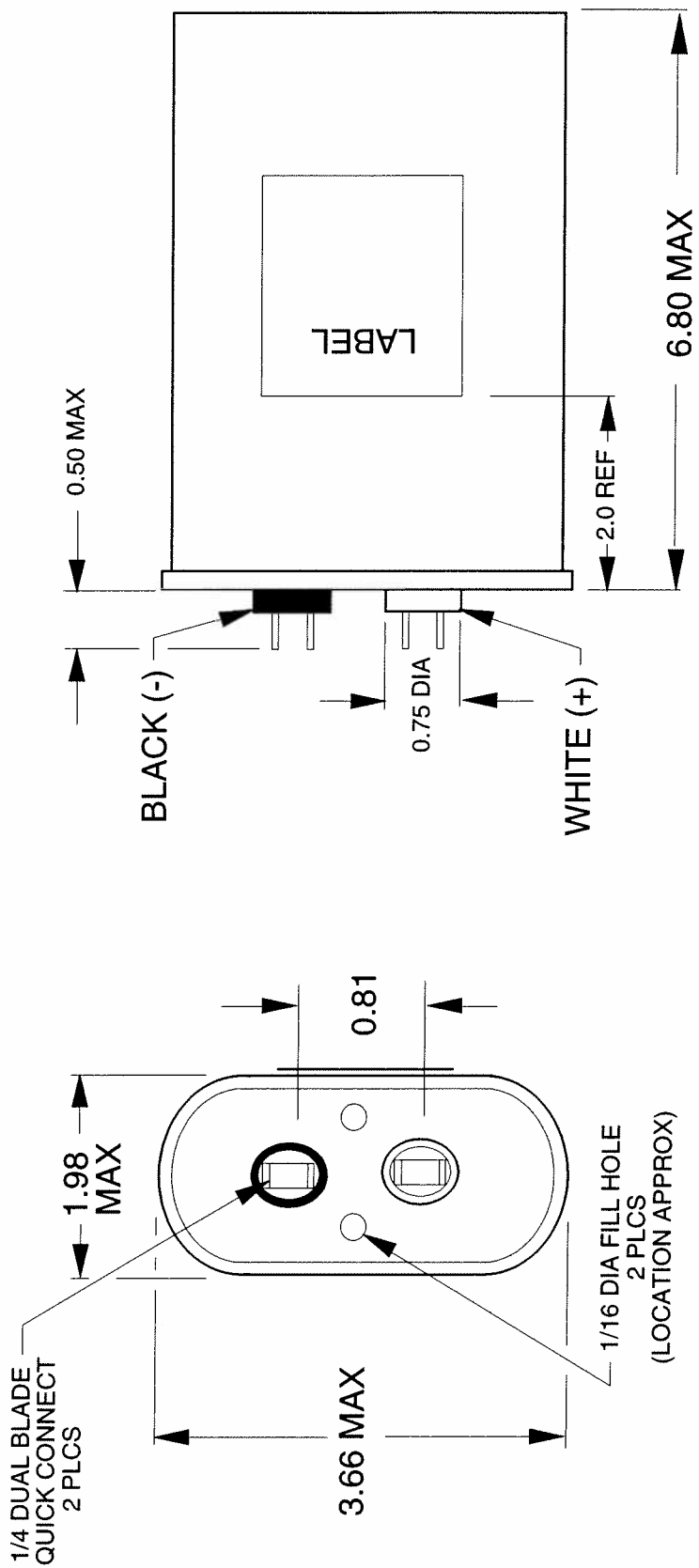
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: SO IMPREGNANT (non-PCB)

*R.T. = room temperature

	SIZE A	FSCM 58307	DRAWING NUMBER 30926	REV LTR J
			SHEET	2



GENERAL ATOMICS Energy Products		ELECTRONIC SYSTEMS 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
OUTLINE DRAWING CAPACITOR, PART No. 30926 240 uF ± 5 %, 1.0 kV		TITLE	FSCM
A	58307	DRAWING NUMBER	30926
NONE	DATE	06/25/98	PAGE 9 OF 9
SCALE	NONE	DATE	06/25/98
SIZE	FSCM	DRAWING NUMBER	REV LTR
A	58307	30926	J
CONTRACT NUMBER		DATE	
PREPARED		CHECKED	
ENGINEER		DESIGN ACTIVITY APPROVAL	
J.B. ENNIS		GOVERNMENT ACTIVITY APPROVAL	
APPROVED		CHECKED	
BY		DRAWN BY	
J Bates		J Bates	
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		USED ON APPLICATION	