



GENERAL ATOMICS

Energy Products

GENERAL ATOMICS ELECTRONI SYSTEMS

CAPACITORS AND POWER SUPPLIES

CAPACITOR SPECIFICATION

PART NUMBER: 330 DM 575

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	75	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	3.0	kV		
TEST VOLTAGE:	5.0	kV	100%	60 sec HIPOT
RATED ENERGY:	338	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
RATED PEAK CURRENT:	3.5	kA		
MAX. PEAK CURRENT (FAULT):	5.3	kA		
MAX. RMS CURRENT	35	A		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-20	°C		
DESIGN LIFE AT RATED:	2.0E+08			charge / discharge cycles
DC LIFE:	5.6E+04			hours
RELIABILITY AT LIFE:	90			%
MAX. DISSIPATION FACTOR	0.30	%	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 7.5 kV CERAMIC PILLAR, COMPRESSION SEAL			
ELECTRODE:	2 ea 1/4-20 UNF-2A			
CASE TERMINAL:	NONE			
DIMENSIONS:	3.75 x 4.56 x 10.50	inches		
	95 x 116 x 267	mm		
WEIGHT:	7.1	lbs		
	3.2	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

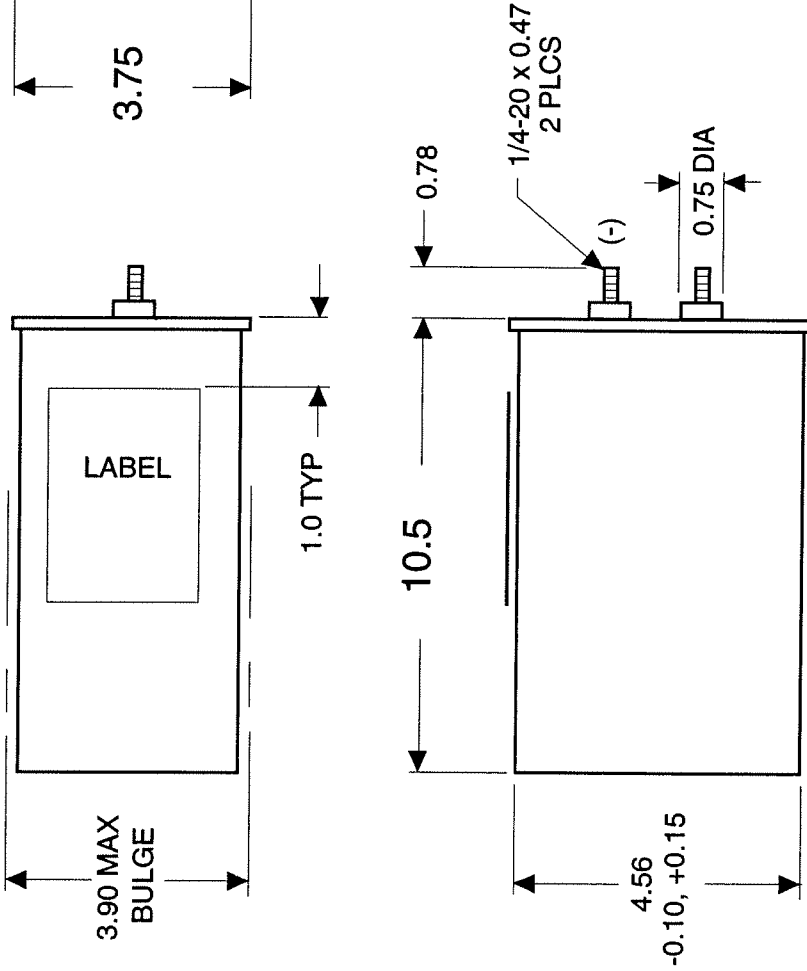
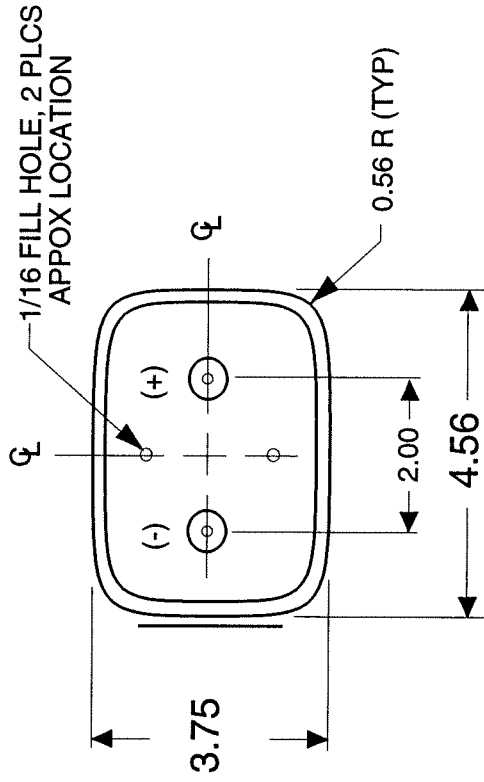
NOTE 2: IMPREGNANT : RSO (non-PCB)

NOTE 3: OPERATES IN ANY ORIENTATION

NOTE 4: SELF-HEALING, METALLIZED ELECTRODE DESIGN

*R.T. = ROOM TEMPERATURE, 23 ± 7°C

	SIZE A	FSCM 32334	DRAWING NUMBER 39665	REV LTR F
			SHEET	2



GENERAL ATOMICS Energy Products 4348 GREENCRAIG LANE SAN DIEGO CA. 92123		OUTLINE DRAWING		FSCM 32334	DRAWING NUMBER 39665	REV LTR F
		CAPACITOR, PART No. 330 DM 575 75 uF ± 10 %, 3.0 kV		SIZE A	SCALE NONE	DATE 04/01/99
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		CONTRACT NUMBER		DATE		
PROJECT MANAGER		PREPARED		CHECKED		
PROJECT ENGINEER		CHECKED BY		ENGINEER		
APPROVED		DESIGN ACTIVITY APPROVAL		GOVERNMENT ACTIVITY APPROVAL		
NEXT ASSY APPLICATION		DRAWN BY		APPROVAL		