

CAPACITOR SPECIFICATION

MODEL NUMBER: **30723**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	42.0	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10 , -10	%		
RATED VOLTAGE:	5.0	kV		
TEST VOLTAGE:	5.5	kV	100%	60 sec HIPOT
RATED ENERGY:	525	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	70	%		
RATED PEAK CURRENT:	0.1	kA		
MAX. PEAK CURRENT:	0.2	kA		
MAX. CONTINUOUS REP RATE:	4	ppm		
MAX. RMS CURRENT	5	A		
MAX. OPERATING TEMP.	40	oC		
MIN. OPERATING TEMP.	-10	oC		
DESIGN LIFE AT RATED:	2.0E+04	charge / discharge cycles		
DC LIFE:	50	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.80	%	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 (OVAL)			
BUSHING:	2 ea QUICK-CONNECT			
ELECTRODE STUD:	2 ea 1/4" DIMPLED BLADES			
DIMENSIONS:	1.96 x 3.66 x 6.78	inches		
	50 x 93 x 172	mm		
WEIGHT:	2.3	lbs		
	1.0	kg		

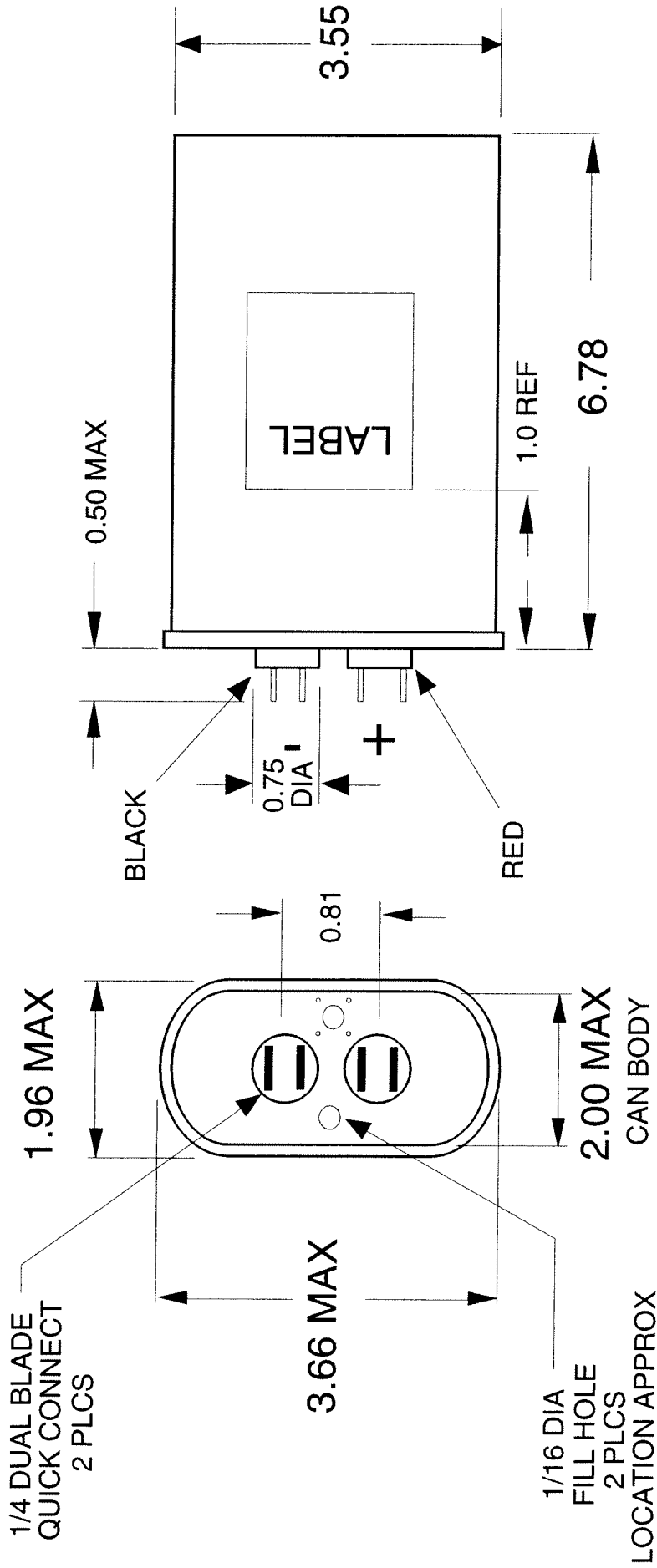
NOTES:

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	087YO	30723	P
			SHEET	2



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

		MAXWELL ENERGY PRODUCTS Inc. 4949 GREENCRAIG LANE SAN DIEGO CA. 92123	
CONTRACT NUMBER		TITLE OUTLINE DRAWING	
DATE		MODEL 30723 42.0 uF ± 10 %, 5.0 kV	
PREPARED		SIZE A	FSCM DRAWING NUMBER 30723
CHECKED		SCALE NONE	DATE 2/20/97
ENGINEER		REV LTR P	
DESIGN ACTIVITY APPROVAL		PROJECT MANAGER J.B. Ennis	
GOVERNMENT ACTIVITY APPROVAL		APPROVED BY	
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		CHECKED BY	
PROJECT MANAGER		DRAWN BY A. Shadpour	
PROJECT ENGINEER		USED ON	
APPLICATION		NEXT ASSY	