



# CAPACITOR SPECIFICATION

PART NUMBER: **440PD893MT**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.093	μF	100%	120 Hz, R.T.*
TOLERANCE:	+5, -5	%		
RATED VOLTAGE:	40	kV		
TEST VOLTAGE:	80	kV	100%	60 sec HIPOT
RATED ENERGY:	74	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
MAX. PEAK CURRENT:	50	kA		
MAX. RMS CURRENT	45	Amps In 10 second Bursts		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	2.70E+09	charge / discharge cycles		
DC LIFE: >	1.50E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.20	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	70	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-μF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DOUBLE ENDED PLASTIC			
BUSHING:	2 ea 1.25" DIA TERMINAL			
ELECTRODE STUD:	M10 x 1.5 - 12mm deep Thd			
DIMENSIONS:	4.0 x 6.0 x ~16.5	inches		
	102 x 152 x ~419	mm		
APPROX. WEIGHT:	18.3	lbs		
	8.3	kg		

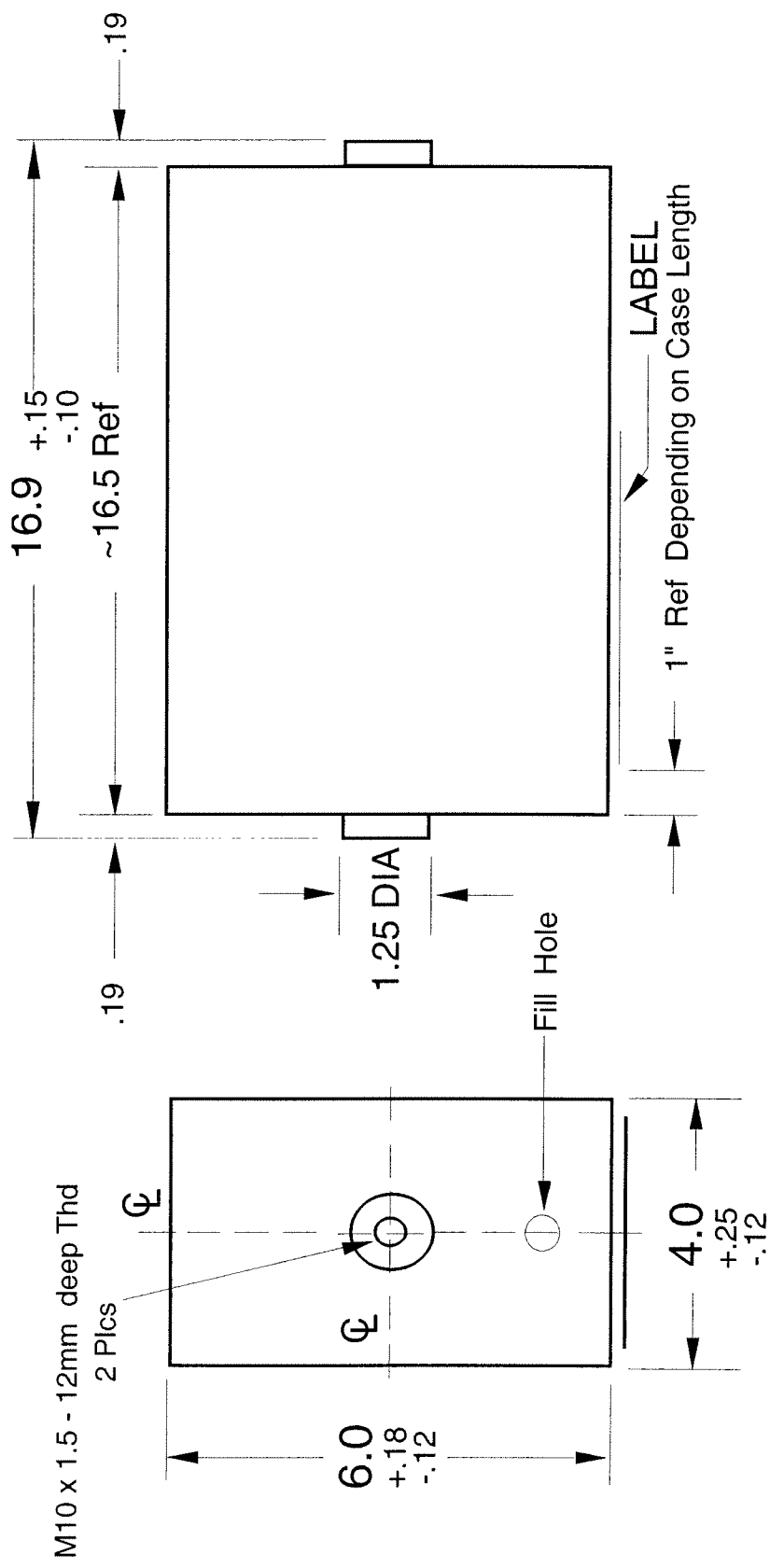
**NOTES:**

**NOTE 1:** LEAK TEST: 100 % test and inspection

**NOTE 2:** IPBP IMPREGNANT (non-PCB)

\*R.T. = room temperature

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	35857	A
			SHEET	2B



<b>GENERAL ATOMICS</b> Energy Products 4949 GREENCRAIG LANE SAN DIEGO CA. 92123		CONTRACT NUMBER DATE PREPARED CHECKED ENGINEER DESIGN ACTIVITY APPROVAL GOVERNMENT ACTIVITY APPROVAL	
<b>TITLE</b> OUTLINE DRAWING <b>PART No. 440PD893MT</b> <b>0.093 uF ± 5 % , 40.0 kV</b>		SIZE <b>A</b>	
FSCM <b>58307</b>		DRAWING NUMBER <b>35857</b>	
SCALE <b>NONE</b>		REV LTR <b>A</b>	
DATE <b>08/29/02</b>		PAGE <b>9B</b>	
DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .X ± .1 .XX ± .03 .XXX ± .010		PROJECT MANAGER <b>Robert Cooper</b>	
PROJECT ENGINEER <b>Robert Cooper</b>		APPROVED CHECKED BY <b>Robert Cooper</b>	
DRAWN BY <b>Robert Cooper</b>		USED ON <b>APPLICATION</b>	