

CAPACITOR SPECIFICATION

PART NUMBER: **37572**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.01	μF	100%	120 Hz, R.T.*
TOLERANCE:	±10	%		
RATED VOLTAGE:	40	kV		
TEST VOLTAGE:	50	kV	100%	60 sec HIPOT
RATED ENERGY:	8	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	FAULT %		
RATED PEAK CURRENT:	50	kA		
MAX. PEAK CURRENT:	50	FAULT kA		
MAX. RMS CURRENT	35	Amps RMS		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	4.5E+09	charge / discharge cycles		
DC LIFE:	1.0E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.2	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	15	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	PLASTIC CASE, SINGLE-ENDED			Extended Foil "S"
BUSHING:	50 kV S HEADER			
ELECTRODE:	2 BRASS RAILS, 0.5 x 3.0 x 1/4 inch deep with 2 ea 10-32 UNF-2B Holes			
DIMENSIONS:	2.3 x 5.9 x 9.8	inches		
	58 x 150 x 249	mm		
WEIGHT:	5.9	lbs		
	2.7	kg		

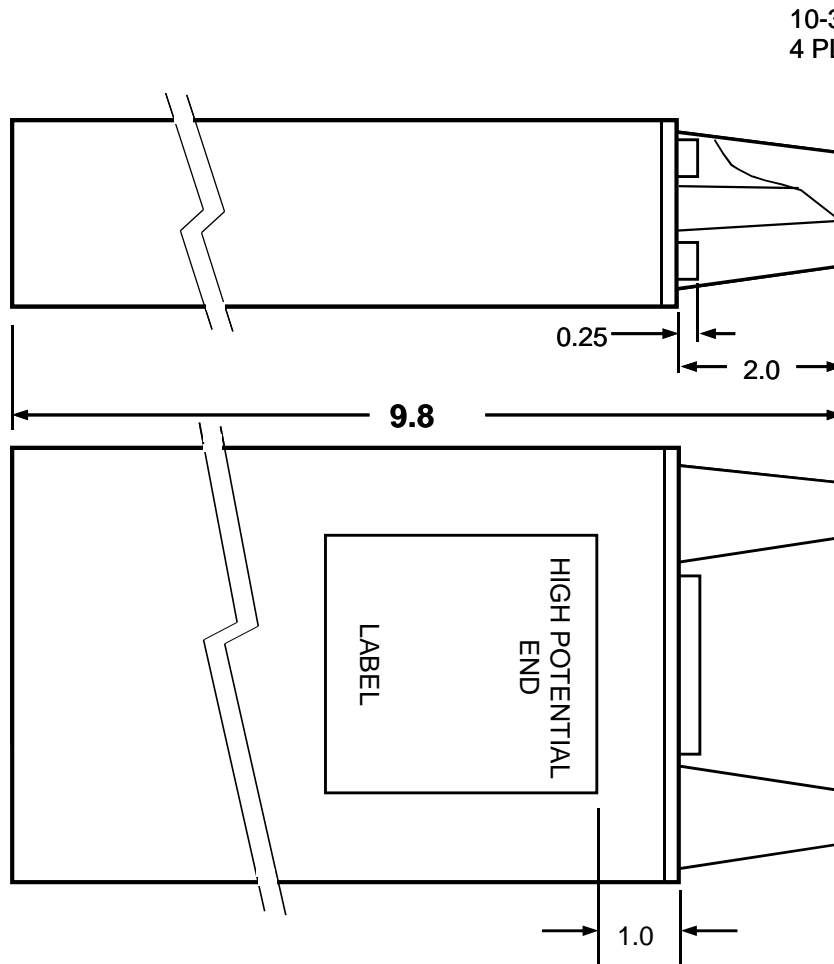
NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

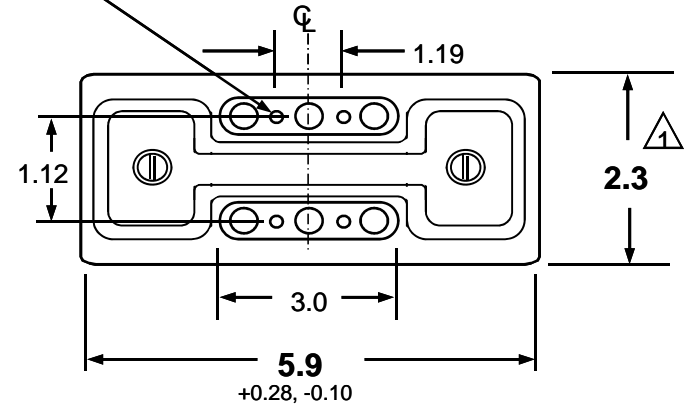
NOTE 2: BTDP IMPREGNANT (non-PCB)

* R.T. = Room temperature (23 ± 7 °C)


	SIZE A	FSCM 58307	DRAWING NUMBER 37572	REV LTR A
	SHEET 2			



10-32 UNC x 0.25
4 PLCS



△ 0.3 MAXIMUM
ALLOWABLE BULGE

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .X ± .1 ± 2° .XX ± .03 .XXX ± .010	CONTRACT NO.		 4949 GREENCRAIG LANE SAN DIEGO, CA 92123			
			APPROVALS				DATE	TITLE CAPACITOR PART No. 37572 0.01 µF ±10%, 40 kV
		DO NOT SCALE DRAWING	DRAWN		SIZE	FSCM	DRAWING NUMBER	REV LTR
		TREATMENT	CHECKED		A	58307	37572	A
		FINISH	ENGR BC/JEG		SCALE - NONE		DATE: 01/06/10	SHEET 9 of 9
NEXT ASSY	USED ON	SIMILAR TO	SPECIAL MARKING SYS		DESIGN ACTIVITY			
APPLICATION				GOVERNMENT ACTIVITY				