

CAPACITOR SPECIFICATION

PART NUMBER: **30545**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	10.0	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10 , -10	%		
RATED VOLTAGE:	3.5	kV		
TEST VOLTAGE:	4.2	kV	100%	60 sec HIPOT
RATED ENERGY:	61	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
MAX. PEAK CURRENT:	25	kA		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	1.0E+06	charge / discharge cycles		
DC LIFE:	3.5E+04	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.30	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	50	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 CERAMIC PILLAR			
ELECTRODE STUD:	10-32 UNF 2A x 0.45 LONG			
DIMENSIONS:	1.91 x 2.91 x 6.88	inches		
	49 x 74 x 175	mm		
WEIGHT:	1.7	lbs		
	0.8	kg		

NOTES:

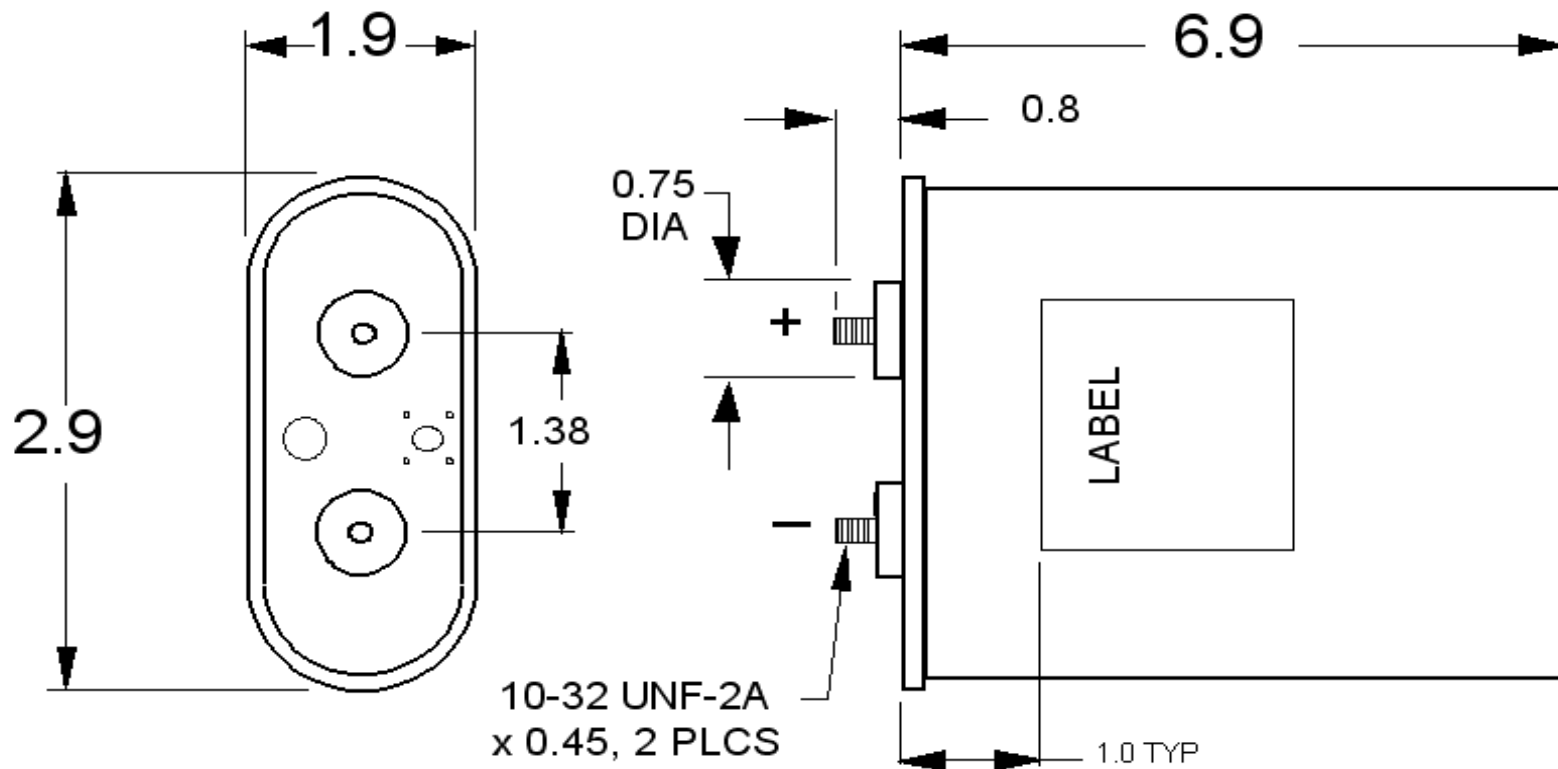
NOTE 1: LEAK TEST: 100 % test and inspection


NOTE 2: BTDP IMPREGNANT (non-PCB)

NOTE 3: CONSULT FACTORY FOR BURST MODE OPERATING LIMITS

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV
	A	58307	30545	AF
	SHEET 2			



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .X ± .1 ± 2° .XX ± .03 .XXX ± .010 DO NOT SCALE DRAWING	CONTRACT NO.		 4949 GREENCRAIG LANE SAN DIEGO, CA 92123			
			APPROVALS					
		TREATMENT	DRAWN		SIZE	FSCM	DRAWING NUMBER	REV LTR
		FINISH	CHECKED		A	58307	30545	AF
NEXT ASSY	USED ON	SIMILAR TO	ENGR		SCALE - NONE		DATE:	SHEET 9 of 9
APPLICATION		SPECIAL MARKING SYS	DESIGN ACTIVITY					
			GOVERNMENT ACTIVITY					