

CAPACITOR SPECIFICATION

PART NUMBER: **30542**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	50	uF	100%	120 Hz, R.T.*
TOLERANCE:	+10, -10	%		
RATED VOLTAGE:	2.0	kVdc		
TEST VOLTAGE:	3.0	kVdc	100%	60 sec HIPOT
RATED ENERGY:	100	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	50	%		
MAX. PEAK CURRENT:	25	kA		
MAX. CONTINUOUS REP RATE:	50	pps		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-30	°C		
DESIGN LIFE AT RATED:	5.0E+07	charge / discharge cycles		
DC LIFE:	>100,000	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.40	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	160	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DRAWN METAL CAN			
BUSHING:	1/2" PILLAR			
ELECTRODE STUD:	10-32 UNF			
DIMENSIONS:	2.88 x 4.56 x 7.75	inches		
	73 x 116 x 197	mm		
WEIGHT:	5.0	lbs		
	2.3	kg		
NOTES:	NOTE1: LEAK TEST: 100 % test and inspection			
	NOTE 2: BTDP IMPREGNANT (non-PCB)			
	NOTE 3: HOLD TIME CAPABILITY 60 Seconds			
	NOTE 4: OPERATING POSITION IS ANY			

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV
	A	58307	30542	P
	SHEET 2			

