



CAPACITOR SPECIFICATION

PART NUMBER: **32938**

PARAMETER	VALUE	UNITS	Q.A.	METHOD
CAPACITANCE:	8000	uF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	5.0	kV	SEE NOTE 3	
TEST VOLTAGE:	5.5	kV	100%	60 sec HIPOT
RATED ENERGY:	100.0	kJ		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%	100 %	1 CYCLE
RATED PEAK CURRENT:	75	kA		
MAX. PEAK CURRENT:	120 (FAULT)	kA	100 %	1 CYCLE
MAX. CW RMS CURRENT:	125	Amps RMS		
MAX. OPERATING TEMP.	70	°C		
MIN. OPERATING TEMP.	-20	°C		
DESIGN LIFE AT OPERATED:	1.6E+04	charge / discharge cycles		
DC LIFE:	5.0E+01	charge / discharge cycles		
RELIABILITY AT RATED LIFE:	90	%		
MAX. DISSIPATION FACTOR:	1.00	%	100%	1000 Hz, R.T.
MAXIMUM INDUCTANCE:	500	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE:	1000	Mohm-uF	SAMPLE	DECAY Vr/23oC/120s/120s
CASE STYLE:	WELDED METAL CAN			
BUSHING:	2 ea 25 kV LOW PROFILE			
ELECTRODE:	1/2-13 UNC x 0.5 DEEP			
CASE TERMINAL:	4 ea 3/8-16 UNC x 0.5 DEEP			
DIMENSIONS:	12.0 x 16.0 x 28.5	inches		
	305 x 406 x 724	mm		
APPROXIMATE WEIGHT	217.45	lbs		
	98.84	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: RSO IMPREGNANT (non-PCB)

NOTE 3: OPERATING VOLTAGE IS 4kV

*R.T. = room temperature (23 ± 7 °C)

SIZE	FSCM	DRAWING NUMBER	REV LTR
A	58307	32938	A
SHEET			2

