

CAPACITOR SPECIFICATION

PART NUMBER: **31165**

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.04	µF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	100	kV		
TEST VOLTAGE:	110	kV	100%	60 sec HIPOT
RATED ENERGY:	200	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80	%		
RATED PEAK CURRENT:	25	kA		
MAX. CONTINUOUS REP RATE:	1	pps		
MAX. RMS CURRENT	25	A		
MAX. OPERATING TEMP.	40	°C		
MIN. OPERATING TEMP.	-10	°C		
DESIGN LIFE AT RATED:	3.0E+04	charge / discharge cycles		
DC LIFE:	N/A	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.35	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	25	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-uF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	SINGLE ENDED PLASTIC CASE, TYPE S			
BUSHING:	100 kV "S" Header			
ELECTRODE:	2 ea RAILS with 2 ea 10-32 UNF-2B Threaded Holes			
DIMENSIONS:	2.30 x 5.90 x 10.8	inches		
	58 x 150 x 274	mm		
WEIGHT:	7.4	lbs		
	3.4	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: CASTOR OIL IMPREGNANT (non-PCB)

NOTE 3: OPERATES UNDER DIELECTRIC OIL OR GAS; ANY OPERATION

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV
	A	58307	31165	W
	SHEET 2			

