

CAPACITOR SPECIFICATION

PART NUMBER: 450PD820 or 450PD820E

<u>PARAMETER</u>	<u>VALUE</u>	<u>UNITS</u>	<u>Q.A.</u>	<u>METHOD</u>
CAPACITANCE:	0.020	μF	100%	120 Hz, R.T.*
TOLERANCE:	± 10	%		
RATED VOLTAGE:	50	kV		
TEST VOLTAGE:	100	kV	100%	60 sec HIPOT
OPERATION VOLTAGE:	50	kV		
RATED ENERGY:	25	Joules		
RATED VOLTAGE REVERSAL:	20	%		
MAX. VOLTAGE REVERSAL:	80 (FAULT)	%		
MAX. PEAK CURRENT:	50	kA		
MAX. RMS CURRENT	35	Amps RMS Continuous Working		
MAX. OPERATING TEMP.	65	°C		
MIN. OPERATING TEMP.	-20	°C		
DESIGN LIFE AT RATED:	3.4E+09	charge / discharge cycles		
DC LIFE:	> 1.5E+05	hours		
RELIABILITY AT LIFE:	90	%		
MAX. DISSIPATION FACTOR	0.20	%	100%	120 Hz, R.T.*
APPROX. INDUCTANCE	45	nH	SAMPLE	STANDING WAVE
MIN. INSULATION RESISTANCE	1000	Mohm-μF	SAMPLE	DECAY Vr / R.T.* / 120s / 120s
CASE STYLE:	DOUBLE ENDED PLASTIC			
BUSHING:	2 ea 1.24" DIA TERMINAL			
ELECTRODE STUD:	.38-16 UNC x 0.5 Deep Thd			
DIMENSIONS:	4.0 x 6.0 x 7.7	inches		
	102 x 152 x 196	mm		
APPROX. WEIGHT:	8.5	lbs		
	3.9	kg		

NOTES:

NOTE 1: LEAK TEST: 100 % test and inspection

NOTE 2: BTDP IMPREGNANT (non-PCB)

NOTE 3: An "E" at the end of the Part No. signify an Engraved Label, for use under oil.

* R.T. = Room temperature (23 ± 7 °C)

	SIZE	FSCM	DRAWING NUMBER	REV LTR
	A	58307	35829	D
			SHEET 2	

