

PCC SERIES - Screw Terminal, General Purpose, 85°C

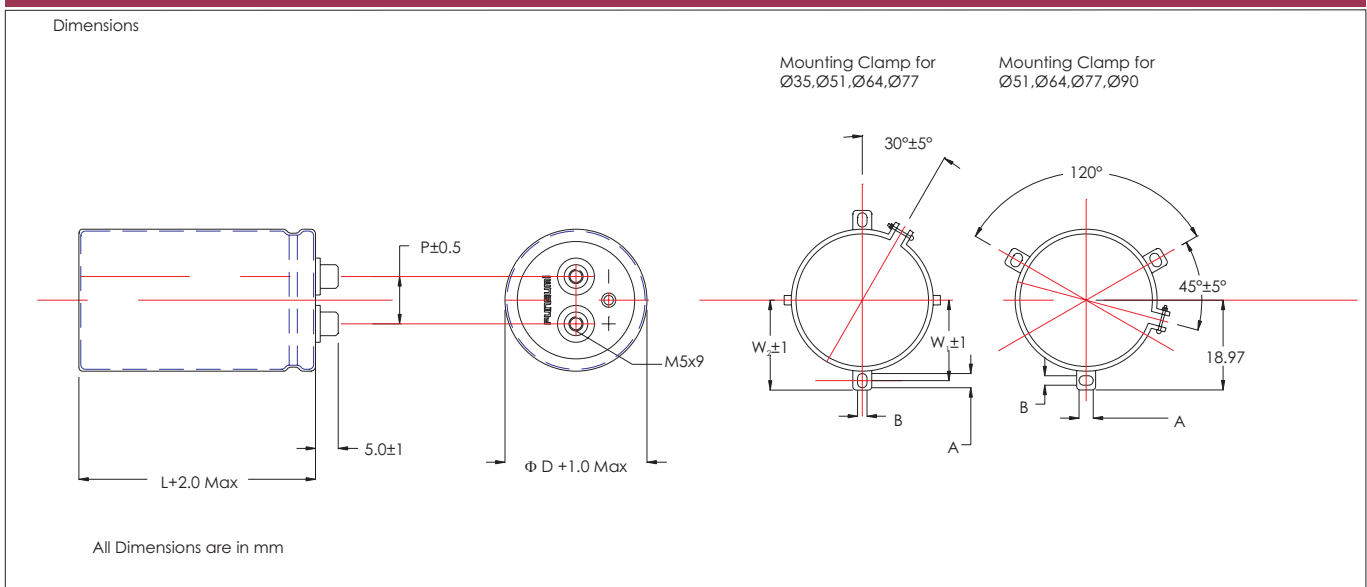
- Minimum Continuous Load Life: 2000 hours at 85°C
- For Inverters
- Screw Terminals



SPECIFICATIONS

	Parameter	Performance					
1	Operating Temperature Range	- 25°C ~ 85°C					
2	Rated Voltage Range	16 V to 450 V					
3	Capacitance Tolerance	± 20%					
4	Leakage Current (Max) - Apply Rated Voltage for 5 minutes before test	I = 0.02 CV or 5 mA, whichever is smaller					
		I = Leakage Current; C= Rated Capacitance; V = Rated Working Voltage					
5	Dissipation Factor (%, max at 100Hz)	Please See Tables On Next Page					
6	Temperature Characteristics Impedance Ratio (max)	Vdc	16	25-35	50-100	160-400	450
		Z _{-25°C} / Z _{20°C}	4	3	2	4	8
7	Endurance	After 2000 Hours Life at 85°C with Rated Voltage and Ripple Current the DUT will meet the following conditions					
		Capacitance Change	Within ± 20% of initial value				
		Leakage Current	Less than the specified value				
		Dissipation Factor	Less than 200% of specified value				
8	Shelf Life	After 1000 Hours Shelf Life at 85°C and thereafter pre-treatment as per IEC 384-1 the DUT will meet the following conditions					
		Capacitance Change	Within ± 20% of initial value				
		Leakage Current	Less than the specified value				
		Dissipation Factor	Less than 200% of specified value				
9	Other Details	As per IEC 384-4					

Dimensions and PCB Footprint



PCC Series Selection Guide: Can Sizes, Ripple Current Ratings and Dissipation Factor

μF \ Vdc	160V			200V			250V		
	DxL	Ripple	D.F.	DxL	Ripple	D.F.	DxL	Ripple	D.F.
560							35x50	1.30	0.15
820				35x50	1.60	0.15	35x50	1.40	0.15
1000				35x50	1.70	0.15	35x80	1.50	0.15
1200	35x50	2.00	0.15				35x80	2.30	0.15
1500							51x80	3.00	0.15
1800				35x80	2.80	0.15	51x80	3.30	0.15
2200	35x80	3.40	0.15	51x80	3.70	0.15	51x80	3.50	0.15
2700	51x80	3.70	0.32	51x80	4.00	0.15			
3300	51x80	4.50	0.15	51x80	4.50	0.15	51x100	5.10	0.15
3900							51x115	5.90	0.15
4700	51x80	5.60	0.20	51x100	7.10	0.20	64x100	7.30	0.20
5600	51x100	6.30	0.20	51x115	8.20	0.20	64x100	7.90	0.20
6800	51x100	7.50	0.20				64x115	8.70	0.20
8200	51x115	8.10	0.20	64x100	10.00	0.20			
10000	64x100	9.80	0.20	64x115	11.00	0.20	77x115	11.10	0.20
12000	64x115	10.80	0.20	77x100	11.50	0.20	77x130	13.00	0.20
15000	77x100	12.70	0.20	77x115	12.80	0.20	90x130	14.90	0.20
18000	77x115	14.00	0.20	77x130	15.00	0.20			
22000	77x130	16.60	0.20	90x130	17.00	0.25			
33000	90x130	18.90	0.25						

μF \ Vdc	350V			400V			450V		
	DxL	Ripple	D.F.	DxL	Ripple	D.F.	DxL	Ripple	D.F.
270							35x50	1.6	0.25
330				35x50	1.7	0.25			
470							35x80	2.4	0.25
560				35x80	2.7	0.25			
680	35x80	2.9	0.25			0.25	51x80	3.1	0.25
820			0.25	51x80	3.4	0.25	51x80	3.5	0.25
1000	51x80	4.2	0.25	51x80	4	0.25	51x80	3.9	0.25
1200	51x80	4.5	0.25	51x80	4.2	0.25	51x100	4.7	0.25
1500	51x80	4.7	0.25	51x100	5.3	0.25	51x115	5.6	0.25
1800				51x100	5.7	0.25	51x130	6.5	0.25
2200	51x100	6.3	0.25	51x130	7.2	0.25	64x100	7.2	0.25
2700				64x100	7.9	0.25	64x115	8.6	0.25
3300	64x100	8.8	0.25	64x115	9.5	0.25	77x100	9.8	0.25
3900	64x115	10.3	0.25	77x100	10.6	0.25	77x115	11.5	0.25
4700	77x100	11.7	0.25	77x115	12	0.25	77x130	13.3	0.25
5600	77x115	12.6	0.25	77x130	14.5	0.25	77x155	15.7	0.25
6800	77x130	15.9	0.25	77x155	17.3	0.25	90x130	17	0.25
8200	77x155	19	0.25	90x130	19	0.25	90x155	18.6	0.25
10000	90x130	21.5	0.25	90x155	20.5	0.25			0.25
12000	90x155	22.5	0.25						

Abbreviations Used:- D: Diameter in mm, L: Length of Aluminum Case in mm
 Ripple Current: in Amperes at rated Operating Temperature and rated Operating Voltage