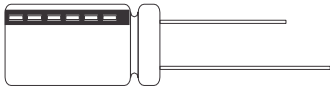


CADB SERIES: Slim Type, High Ripple, 10K hrs 105°C

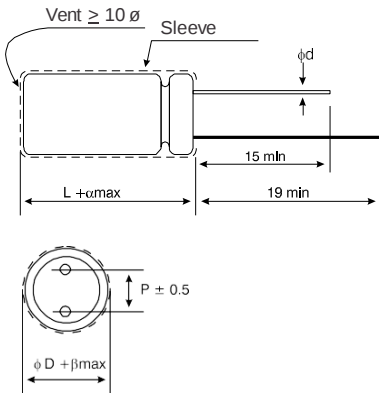


FEATURES

- ◆ 105°C, 10,000 hours assured
- ◆ Smaller size with large permissible ripple current
- ◆ Slim Type

SPECIFICATIONS

Items	Performance							
Life	at 105 ° C 10,000Hours							
Operating Temp	400V				420 ~ 450V			
	-40 ° C ~ +105 ° C				-25 ° C ~ +105 ° C			
Capacitance Tolerance	±20% (at 120Hz, 20 ° C)							
Leakage Current (at 20 ° C)	Time		after 5 minutes					
	Leakage Current		CV ≤ 1,000 I = 0.01CV + 15(μA)			CV > 1,000 I = 0.02CV+25 (μA)		
	Where C = rated capacitance in μF. V = rated DC working voltage in V							
Dissipation Factor (Tan δ at 120Hz, 20 ° C)	Rated Voltage		400	420	450			
	Tan δ (max)		0.24	0.24	0.24			
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below							
	Rated Voltage			400	420	450		
	Impedance	Z (-25 ° C) / Z (+20 ° C)		5	6	6		
	Ratio	Z (-40 ° C) / Z (+20 ° C)		6	--	--		
Load Life Test	Test Time		10,000 hrs					
	Capacitance Change		Within ± 20% of initial value					
	Dissipation Factor		Less than 200% of specified value					
	Leakage Current		Within specified value					
	* The above specifications shall be satisfied when the capacitors are restored to 20 ° C after the rated voltage applied with rated ripple current for 10,000 hrs at 105 ° C							
Shelf Life Test	Test Time		1,000 hours					
	Capacitance Change		Within ± 20% of initial value					
	Dissipation Factor		Less than 200% of specified value					
	Leakage Current		Within specified value					
	* The above specifications shall be satisfied when the capacitors are restored to 20 ° C after exposing them for 1,000 hrs at 105 ° C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements. (Refer to JIS C 5101-4 4.1)							
Ripple Current & Frequency Multipliers	Freq. (Hz)		60	120	500	1k	10k up	
	Multipliers		0.80	1.00	1.25	1.40	1.50	
Other Standards	JIS C 5101-4							



Code	Lead Forming Type
O	Bulk
T	5mm Chip tape
A	(Φ4~Φ6.3)2.5mm tape
F	(Φ4~Φ8)5mm tape
P	Φ≥Φ8mm original(vertical)tape
M	5mm Lead forming
C	C Lead forming
B	B Lead forming
D	(Φ4~Φ8)2.5mm Lead forming

DIMENSIONS Unit: mm

φD	10	12.5	16	18
P	5.0	5.0	7.5	7.5
φd	0.6		0.8	
α	2.0			
β	0.5			

CADB SERIES: Slim Type, High Ripple, 10K hrs 105°C



DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

Dimension: $\varnothing$ D x L (mm)
Ripple Current: mA/rms at 100Hz, 105°C

V. DC	Cap. (μ F)	10 $\varnothing$			12.5 $\varnothing$			16 $\varnothing$			18 $\varnothing$		
		$\varnothing$ D x L	Ripple Current		$\varnothing$ D x L	Ripple Current		$\varnothing$ D x L	Ripple Current		$\varnothing$ D x L	Ripple Current	
			120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz
400V (2G)	33	10 x 40	315	475									
	39	10 x 45	360	545									
	47	10 x 50	420	630	13 x 30	440	660						
	56				13 x 35	500	750						
	68				13 x 40	580	870	16 x 32	530	795			
	82				13 x 50	625	935	16 x 35.5	615	920			
	100							16 x 40	715	1,070			
	120							16 x 40	800	1,200	18 x 35.5 18 x 40	790 870	1,185 1,305
	150							16 x 45	915	1,375	18 x 45	985	1,475
420V (2P)	180										18 x 50	1,120	1,685
	33	10 x 40	370	555									
	39	10 x 45	410	615	12.5 x 30	390	585						
	47	10 x 50	465	700	12.5 x 35	450	675						
	56				12.5 x 40	520	780	16 x 31.5	500	750			
	68				12.5 x 45	580	870	16 x 35.5	580	870			
	82				12.5 x 50	660	990	16 x 35.5 16 x 40	730 675	1,095 1,010			
	100							16 x 40 16 x 45	750 755	1,125 1,130	18 x 36	725	1,085
	120										18 x 40 18 x 45	835 880	1,250 1,320
450V (2W)	150										18 x 50	1,030	1,550
	33	10 x 45	330	495	12.5 x 30	370	555						
	39	10 x 50	380	570	12.5 x 35	420	630						
	47				12.5 x 40	480	720						
	53				12.5 x 45	500	750						
	56				12.5 x 45	530	795	16 x 31.5	510	765			
	68				12.5 x 50	620	930	16 x 35.5	590	885			
	82							16 x 40	615	920	18 x 35.5	645	965
	100							16 x 45	715	1,070	18 x 40	750	1,125
	120										18 x 45	835	1,250
	150										18 x 50	975	1,465

PART NUMBER EXAMPLE

CADB107 M 2P B 160 400