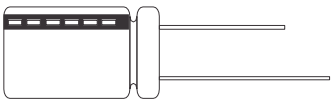
CADA SERIES: Slim T ype, High Ripple, 5K hrs 105°C

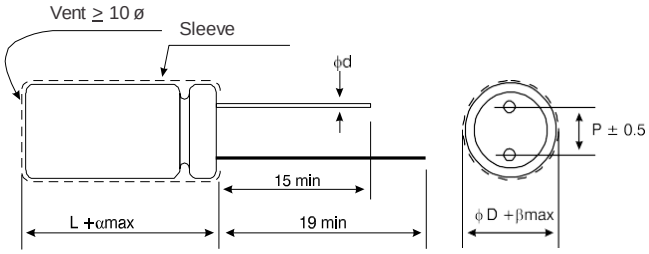


FEATURES

- Long life, 105° C, 5,000 hours assured
- Smaller size with large permissible ripple current
- Slim Type

SPECIFICATIONS

Items	Performance						
Life	at 105 °C 5,000 Hours						
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 = 0.03CV + 15(μA)				CV > 1,000 I = 0.02CV+25 (A)	
	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 Ratio	Z (-25°C) / Z (+20 °C)		5	6	6	
		Z (-40°C) / Z (+20°C)		6	--	--	
Load Life Test	Test Time	5,000 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 5,000 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						



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			
P	0.5			

CADA SERIES: Slim T ype, High Ripple, 5K hrs 105°C

DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

Dimension: φDx L(mm)
Ripple Current: mA/rms at 100Hz, 105°C

V. DC	Cap. (μF)	10φ			12.5φ			16φ			18φ		
		φD x L	Ripple Current		φD x L	Ripple Current		φD x L	Ripple Current		φD 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 35	320	480									
	39	10 x 40	380	570	12.5 x 30	380	570						
	47	10 x 45	425	638									
	56	10 x 50	490	735	12.5 x 35	475	713						
	68				12.5 x 40	550	825	16 x 31.5	530	795			
	82				12.5 x 45	615	923	16 x 35.5	605	908			
	100				12.5 x 50	690	1,035	16 x 40	740	1,110			
	120							16 x 45	795	1,193	18 x 36	730	1,095
	150							16 x 50	865	1,300	18 x 45	910	1,365
420V (2P)	33	10 x 40	350	525									
	39	10 x 45	390	585	12.5 x 30	380	570						
	47	10 x 50	445	668	12.5 x 35	410	615						
	56				12.5 x 40	490	735	16 x 31.5	475	713			
	68				12.5 x 45	560	840	16 x 35.5	550	825			
	82				12.5 x 50	625	938	16 x 40	630	945			
	100							16 x 45	750	1,125	18 x 36	675	1,013
	120							16 x 50	865	1,298	18 x 40	810	1,238
											18 x 45	825	1,215
	150										18 x 45	950	1,425
											18 x 50	950	1,425
450V (2W)	33	10 x 45	315	475	12.5 x 30	350	525						
	39	10 x 50	360	545	12.5 x 35	400	600						
	47				12.5 x 40	425	683	16 x 31.5	455	683			
	56				12.5 x 45	500	750	16 x 35.5	560	750			
	68				12.5 x 50	540	810	16 x 40	590	885			
					12.5 x 50	625	938	16 x 35.5	530	795			
	82							16 x 45	675	1,013	18 x 36	645	968
											18 x 32	585	875
	100							16 x 50	785	1,178	18 x 40	740	1,110
											18 x 36	685	1,025
	120										18 x 45	825	1,238
											18 x 40	790	1,185
	150										18 x 50	950	1,425

PART NUMBER EXAMPLE

CADA 476M 2G B 100 450

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