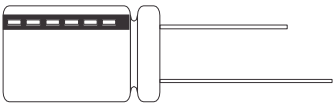


CAFA SERIES: Slim T type

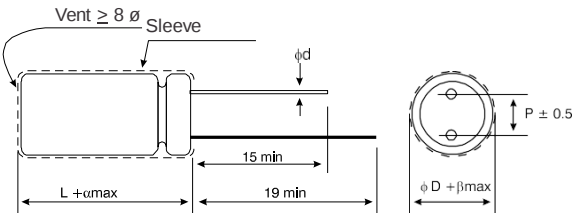


FEATURES

- ◆ Long life, 105 °C, 2,000 hours assured
- ◆ Smaller size with large permissible ripple current
- ◆ Slim Type

SPECIFICATIONS

Items	Performance							
Life	at 105 ° C 2000 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 (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		2,000 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 2,000 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	1.45	1.50	
Other Standards	JIS C 5101-4							



DIMENSIONS

Unit: mm

φD	8	10	12.5	16	18
P	3.5	5.0	5.0	7.5	7.5
φd	0.6			0.8	
α	2.0				
P	0.5				

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

CAFA SERIES: Slim T type



DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

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

V. DC	Cap · (μF)	8φ			10φ			12.5φ			16φ			18φ		
		φD x L	Ripple Current		φ D x L	Ripple Current	φ D x L	Ripple Current		φ D x L	Ripple Current		φ D x L	Ripple Current		
			120 Hz	100k Hz				120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz	
400V (2G)	15	8 x 30	190	285												
	22	8 x 35	250	375												
	27	8 x 40	300	450	10 x 30	245	370									
	33	8 x 45	350	525	10 x 35	295	445									
	39	8 x 50	390	585	10 x 40	345	515									
	47				10 x 45	400	600									
	56				10 x 50	450	675	12.5 x 30	470	705						
	68							12.5 x 35	540	810						
	82							12.5 x 40	620	930						
	100															
	120										16 x 35.5 16 x 40	800 840	1,200 1,260			
	150										16 x 45	940	1,410			
	180										16 x 50	1050	1,575	18 x 40	1,060	1,590
	220													18 x 45	1,200	1,800
420V (2P)	15	8 x 30	195	293												
	22	8 x 35	255	383												
	27	8 x 45	320	480	10 x 30	245	370									
	33	8 x 50	370	555	10 x 35	295	445									
	39				10 x 40	345	515									
	47				10 x 45	400	600									
	56				10 x 50	450	675	12.5 x 30	470	705						
	68							12.5 x 35	540	810						
	82							12.5 x 45	630	945						
	100							12.5 x 50	730	1,095	16 x 35.5	730	1,095			
	120										16 x 40	840	1,260			
	150										16 x 45	940	1,410	18 x 35.5	920	1,380
	180										16 x 50	1,050	1,575	18 x 40	1,060	1,590
	220													18 x 50	1,220	1,830
450V (2W)	15	8 x 30	195	293												
	22	8 x 40	270	405	10 x 30	225	330									
	27	8 x 45	320	480	10 x 35	265	400									
	33	8 x 50	370	555	10 x 40	315	475									
	39				10 x 45	360	545									
	47				10 x 50	420	625	12.5 x 30	430	645						
	56							12.5 x 35	490	735						
	68							12.5 x 40	560	840						
	82							12.5 x 45	630	945						
	100							12.5 x 50	730	1,095	16 x 35.5	730	1,095			
	120										16 x 45	840	1,260	18 x 35.5	820	1,230
	150										16 x 50	980	1,470	18 x 40	970	1,455
														18 x 45	995	1,490
	180													18 x 45	1,090	1,635
													18 x 50	1,140	1,710	

PART NUMBER EXAMPLE

CAFA 566M 2G B 125 300