

Features

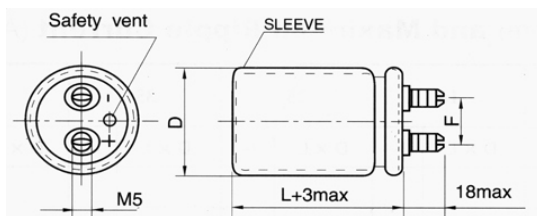
- Long life of 2,000 hours at 105°C.
- Screw terminal type, wide temperature range.
- Suitable for computer, communication power and inverters.
- Having safety vents.



Characteristics

Item	Characteristics		
Operating temperature range	-40~+85°C	-25~+85°C	
Rated voltage range	10~100V	160~450V	
Capacitance range	1,800~470,000 μ F	220~18,000 μ F	
Capacitance tolerance (at20°C,120Hz)	±20%(M)		
Leakage current(I) (at20°C)	After 5 minute application of rated voltage. I ≤ 0.01CV (μ A) or 5mA, whichever is smaller. Where C: Nominal capacitance in μ F		
Dissipation factor(Tan δ) (at 20°C,120Hz)	According to the below		
Low temperature characteristics (at 120Hz)	W. V. (v)		10~100
	Capacitance ratio CT/C+20°C(max.)	C-25°C/C+20°C	≥0.7
		C-40°C/C+20°C	≥0.61
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage with rated ripple current for 2,000 hours at 105°C.		
	Capacitance change	≤20% of the initial value	
	tan δ	≤200% of the initial specified value	
	I	≤The initial specified value	
Shelf life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 105°C for 1,000 hours without voltage applied		
	Capacitance change	≤10% of the initial value	
	tan δ	≤150% of the initial specified value	
	I	≤150% of the initial specified value	
Others	Satisfies characteristic W of JIS C5141		

Dimensions



D±1.5	35			42		50			65		76		
L	50	60	80	80	100	80	100	120	100	120	100	120	140
F±0.5	14			15		22			28		32		



**Case Size DxL(mm), D.F. And Maximum Ripple Current
(A rms/at 105°C,120Hz)**

W.V.(v) Cap.(μF)	10			16			25			35			50		
	DxL	D.F.	I~	DxL	D.F.	I~	DxL	D.F.	I~	DxL	D.F.	I~	DxL	D.F.	I~
3,900													35x50	0.20	2.7
4,700													35x50	0.20	2.9
5,600													35x50	0.20	3.2
6,800													35x50	0.20	3.5
8,200										35x50	0.30	3.2	35x60	0.20	3.7
10,000										35x50	0.30	3.5	35x80	0.25	4.7
12,000							35x50	0.25	3.5	35x60	0.30	4.1	35x80	0.25	5.1
15,000							35x50	0.35	4.0	35x60	0.30	4.6	35x80	0.25	5.8
18,000				35x50	0.40	4.1	35x60	0.35	4.7	35x80	0.30	5.8	42x80	0.25	7.0
22,000				35x50	0.40	4.5	35x60	0.35	5.2	35x80	0.30	6.4	42x100	0.25	8.5
27,000	35x50	0.45	4.7	35x60	0.40	5.4	35x80	0.35	6.5	42x80	0.30	7.8	42x100	0.25	9.4
33,000	35x50	0.50	4.9	35x60	0.45	5.6	35x80	0.40	6.7	42x100	0.30	9.5	50x100	0.25	11.5
39,000	35x60	0.50	5.8	35x80	0.45	6.9	42x80	0.40	8.1	42x100	0.35	9.6	50x120	0.25	13.5
47,000	35x80	0.50	7.2	35x80	0.50	7.2	42x100	0.40	9.8	50x100	0.35	11.6	50x120	0.30	13.6
56,000	35x80	0.50	7.2	42x80	0.50	8.7	42x100	0.45	10.1	50x100	0.40	11.8	65x100	0.35	14.6
68,000	42x80	0.50	8.7	42x80	0.55	9.1	50x100	0.45	12.3	50x120	0.40	14.1	65x120	0.35	17.5
82,000	42x80	0.65	9.2	42x100	0.55	11.1	50x100	0.50	12.8	65x100	0.45	15.6	65x120	0.40	19.6
100,000	42x100	0.65	11.3	42x100	0.65	11.3	50x120	0.50	15.3	65x120	0.45	18.7	76x120	0.45	20.4
120,000	42x100	0.75	11.5	50x100	0.65	13.6	65x100	0.65	15.7	65x120	0.55	18.5	76x120	0.45	22.4
150,000	50x100	0.80	13.7	50x120	0.70	15.9	65x120	0.65	19.0	76x120	0.65	20.8			
180,000	50x120	0.80	16.3	50x120	0.80	16.3	65x120	0.80	18.8	76x120	0.80	20.5			
220,000	50x120	0.85	17.4	65x120	0.85	20.2	76x120	0.85	22.0						
270,000	65x120	1.00	20.6	65x120	1.00	20.6	76x120	1.00	22.5						
330,000	76x120	1.20	20.8	76x120	1.30	21.8									
390,000	76x120	1.50	22.1	76x120	1.50	22.1									
470,000	76x120	1.80	22.1	76x140	1.60	25.1									



TMCE22 Screw Terminal Aluminum Electrolytic Capacitor 105°C

W.V.(v) Cap.(μF)	63			80			100			160			200			
	D×L	D.F.	I~	D×L	D.F.	I~	D×L	D.F.	I~	D×L	D.F.	I~	D×L	D.F.	I~	
330													35×50	0.15	0.8	
470													35×50	0.15	0.9	
560													35×50	0.15	1.0	
680											35×50	0.15	1.3	35×50	0.15	1.1
1,000											35×50	0.15	1.6	35×60	0.15	1.5
1,200											35×60	0.15	1.8	35×60	0.15	1.6
1,500											35×60	0.15	2.1	35×80	0.15	2.0
1,800							35×50	0.10	2.6	35×80	0.15	2.6	35×80	0.15	2.2	
2,200				35×50	0.15	2.3	35×50	0.10	2.8	35×80	0.15	2.8	42×80	0.15	2.7	
2,700	35×50	0.20	2.2	35×50	0.15	2.6	35×60	0.10	3.4	42×80	0.15	3.5	42×100	0.15	3.3	
3,300	35×50	0.20	2.5	35×50	0.15	2.8	35×60	0.10	4.3	42×100	0.20	3.7	42×100	0.15	3.3	
3,900	35×50	0.20	2.7	35×60	0.15	3.3	35×80	0.12	4.2	42×100	0.20	4.0	50×100	0.15	3.9	
4,700	35×50	0.20	2.9	35×60	0.15	3.7	35×80	0.12	5.1	50×100	0.20	4.8	65×100	0.20	5.0	
5,600	35×60	0.20	3.5	35×80	0.15	4.5	42×80	0.12	5.6	50×100	0.20	5.3	65×100	0.20	5.5	
6,800	35×60	0.20	3.8	35×80	0.15	5.0	42×100	0.15	6.1	50×120	0.20	6.3	65×120	0.20	6.5	
8,200	35×80	0.20	4.8	42×80	0.20	5.3	42×100	0.15	6.7	65×100	0.20	7.4	65×120	0.20	7.2	
10,000	35×80	0.20	5.3	42×100	0.20	6.4	50×100	0.15	8.2	65×120	0.20	8.9	76×120	0.20	8.7	
12,000	42×80	0.25	5.7	42×100	0.20	7.0	50×120	0.15	9.7	76×100	0.20	9.8	76×120	0.20	9.5	
15,000	42×100	0.25	7.0	50×100	0.20	8.7	50×120	0.15	10.8	76×120	0.20	11.9				
18,000	42×100	0.25	7.7	50×120	0.20	10.3	65×100	0.20	11.0	76×140	0.20	13.9				
22,000	50×100	0.25	9.4	50×120	0.20	11.4	65×120	0.20	13.1							
27,000	50×120	0.25	11.3	65×100	0.25	12.0	65×120	0.25	14.2							
33,000	50×120	0.25	12.5	76×100	0.25	14.6	76×120	0.25	15.7							
39,000	35×100	0.30	13.2	76×100	0.30	14.4	76×140	0.25	18.3							
47,000	65×120	0.30	15.7	76×120	0.30	17.1										
56,000	65×120	0.30	17.1	76×120	0.30	18.7										
68,000	76×120	0.35	19.1													
82,000	76×140	0.40	21.0													

W.V.(v) Cap.(μF)	250			315			350			400		
	D×L	D.F.	I~	D×L	D.F.	I~	D×L	D.F.	I~	D×L	D.F.	I~
220				35×50	0.10	0.9	35×50	0.10	0.9	35×50	0.10	0.9
330	35×50	0.15	0.9	35×50	0.10	1.1	35×50	0.10	1.1	35×60	0.10	1.2
470	35×50	0.15	1.1	35×60	0.10	1.4	35×60	0.10	1.4	35×80	0.10	1.6
560	35×50	0.15	1.2	35×60	0.10	1.5	35×60	0.10	1.5	35×80	0.10	1.8
680	35×60	0.15	1.4	35×80	0.10	1.9	35×80	0.15	1.6	42×80	0.15	1.7
1,000	35×80	0.20	1.7	42×80	0.15	2.1	42×100	0.15	2.3	42×100	0.15	2.3
1,200	35×80	0.20	1.8	42×100	0.15	2.6	42×100	0.15	2.6	50×100	0.15	2.8
1,500	42×80	0.20	2.2	42×100	0.15	2.9	50×100	0.15	3.2	50×100	0.15	3.2
1,800	42×100	0.20	2.7	50×100	0.15	3.5	50×120	0.15	3.8	65×100	0.15	4.0
2,200	42×100	0.20	3.0	50×120	0.15	4.2	50×120	0.15	4.2	65×100	0.15	4.4
2,700	50×100	0.20	3.7	50×120	0.15	4.6	65×100	0.15	4.9	65×120	0.15	5.3
3,300	50×120	0.20	4.4	65×100	0.15	5.4	65×120	0.15	5.9	76×120	0.15	6.4
3,900	50×120	0.20	4.8	65×120	0.15	6.4	76×120	0.15	7.0	76×140	0.15	7.5
4,700	65×100	0.20	6.1	76×100	0.15	7.1	76×120	0.15	7.7	76×140	0.15	8.2
5,600	65×120	0.20	6.6	76×120	0.15	8.4	76×140	0.15	8.9			
6,800	76×120	0.20	8.0	76×140	0.15	9.9						
8,200	76×120	0.20	8.8									

Ripple Current Multipliers

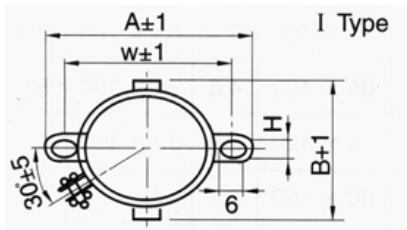
Frequency multiplying factor

W. V. (v)	φD	Freq.(Hz)					
		50	60	120	360	1K	≥10K
10~50	35 42	0.95	0.96	1.00	1.03	1.04	1.04
	50 65	0.97	0.98	1.00	1.02	1.03	1.03
	76	0.98	0.99	1.00	1.02	1.03	1.03
63~100	35 42	0.90	0.94	1.00	1.09	1.03	1.15
	50 65	0.93	0.97	1.00	1.06	1.10	1.13
	76	0.95	0.98	1.00	1.03	1.08	1.08
160~250	35 42	0.71	0.79	1.00	1.10	1.15	1.21
	50 65	0.83	0.88	1.00	1.08	1.13	1.20
	76	0.85	0.90	1.00	1.06	1.11	1.20
350~450	35 42	0.65	0.74	1.00	1.10	1.16	1.22
	50 65	0.81	0.87	1.00	1.08	1.13	1.21
	76	0.85	0.90	1.00	1.06	1.11	1.20

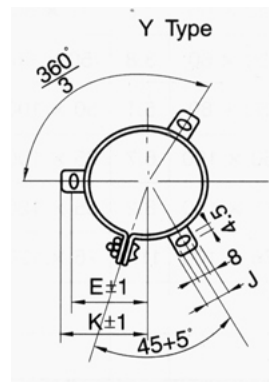
Temperature multiplying factor

Temperature(°C)	45	60	70	85	105
Factor	2.47	2.37	2.17	1.67	1.00

Mounting clamp



φD	A	B	W	H
35	62	44	50	3.2
42	64	50	54	3.5
50	80	64	68	4.5
65(63.5)	93	76	81	4.5



φD	E	K	J
50	32.5	37.0	14
65(63.5)	38.0	43.5	14
76	44.5	50.5	14