

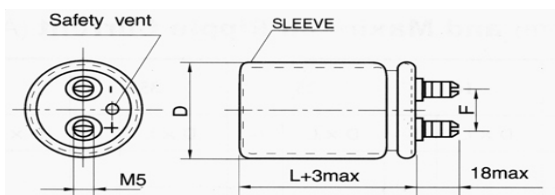
Features

- Long life of 2,000 hours at 85°C.
- Screw terminal type.
- Suitable for switching power supply, computer, inverter, inotot-control.
- Having safety vents.



Characteristics

Item	Characteristics													
Operating temperature range	-40~+85°C							-25~+85°C						
Rated voltage range	10~100V							160~450V						
Capacitance range	3,300~470,000 µ F							220~15,000 µ F						
Capacitance tolerance (at20°C,120Hz)	±20%(M)													
Leakage current (I) (at 20°C)	After 5 minutes application of rated voltage, I≤0.01CV(µ A) or 5mA, whichever is smaller. Where c: Nominal capacitance in µ F, v: Rated voltage in V.													
Dissipation factor (Tan δ) (at 20°C,120Hz)	W.V. (v)	φ 35	φ 42	φ 50	φ 65	φ 76	φ 80	W.V. (v)	φ 35	φ 42	φ 50	φ 65	φ 76	φ 80
	10	0.75	0.85	1.00	1.30	1.50	1.50	63	0.20	0.30	0.30	0.30	0.40	0.40
	16	0.60	0.65	0.70	0.80	1.00	1.00	80	0.20	0.25	0.25	0.25	0.30	0.30
	25	0.40	0.45	0.50	0.70	0.80	0.80	100	0.15	0.20	0.20	0.25	0.25	0.25
	35	0.30	0.30	0.50	0.60	0.70	0.70	160/250	0.15	0.15	0.15	0.20	0.20	0.20
50	0.25	0.30	0.30	0.50	0.60	0.60	350/450	0.20	0.20	0.20	0.25	0.25	0.25	
Low temperature characteristics (at120Hz)	W. V. (v)							10~100			160~450			
	Capacitance ratio CT/C+20°C(max.)		C-25°C/C+20°C					≥0.7			≥0.7			
			C-40°C/C+20°C					≥0.6			-			
Load life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage has been applied for 2,000 hours at 85°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 85°C for1,000 hours without voltage applied													
	Capacitance change							≤20% of the initial value						
	tan δ							≤150% of the initial specified value						
	I							≤200% of the initial specified value						
Others	Satisfies characteristic W of JIS C5141													



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



**Case Size DxL(mm) And Maximum Ripple Current
(A rms/at 85°C,120Hz)**

W.V.(v) Cap.(μ F)	10		16		25		35		50		63		80	
	D×L	I~	D×L	I~	D×L	I~	D×L	I~	D×L	I~	D×L	I~	D×L	I~
3,300													35×50	2.5
4,700													35×60	3.2
6,800									35×50	3.2	35×50	3.5	35×80	4.3
10,000							35×50	3.5	35×60	4.1	35×60	4.6	42×80	5.2
15,000					35×50	3.7	35×60	4.6	35×80	5.8	35×80	6.4	50×80	7.0
22,000			35×50	3.7	35×60	4.8	35×80	6.4	42×80	7.0	42×80	7.0	50×100	9.4
33,000	35×50	4.0	35×60	4.8	42×60	6.2	42×80	8.6	50×80	9.5	50×80	9.5	65×100	12.5
47,000	35×60	5.2	42×60	6.2	42×80	8.4	42×100	11.4	50×100	12.5	50×100	12.5	65×120	17.5
68,000	35×80	7.1	42×80	8.4	50×80	10.6	50×80	10.6	50×120	16.3	65×100	17.4		
100,000	42×80	8.9	50×80	10.8	50×100	14.1	50×120	15.3	65×120	17.7	65×120	22.9		
150,000	50×80	11.1	50×100	14.6	65×100	17.0	65×120	19.8						
220,000	50×100	14.8	65×100	19.2	65×120	22.2								
330,000	65×100	18.5	80×100	23.7										
470,000	76×100	22.4												

W.V.(v) Cap.(μ F)	100		160		200		250		350		400		450	
	D×L	I~	D×L	I~	D×L	I~	D×L	I~	D×L	I~	D×L	I~	D×L	I~
220									35×50	0.6	35×50	0.6	35×50	0.6
330							35×50	0.9	35×50	0.8	35×60	0.8	35×60	0.8
470					35×50	1.1	35×50	1.1	35×60	1.0	35×80	1.1	35×80	1.1
680			35×50	1.3	35×50	1.3	35×60	1.4	35×80	1.4	42×80	1.5	42×80	1.5
1,000			35×50	1.6	35×60	1.7	35×80	1.9	42×80	1.8	50×80	2.0	50×80	2.0
1,500			35×60	2.1	35×80	2.3	42×80	2.6	50×80	2.5	50×100	2.7	50×100	2.7
2,200			42×60	2.8	42×80	3.1	50×80	3.5	50×100	3.3	65×100	3.4	65×100	3.4
3,300	35×60	3.1	50×60	3.8	50×80	4.2	50×100	4.7	65×100	4.2	65×120	4.6	76×120	5.0
4,700	35×80	4.2	50×80	5.1	50×100	5.6	65×100	5.6	76×100	5.5	76×120	5.9	80×150	6.7
6,800	42×80	4.8	50×100	6.7	65×100	6.8	65×120	7.3	80×120	7.4	80×150	8.1		
10,000	50×80	6.4	65×100	8.2	65×120	8.9	76×120	9.7	80×150	9.8				
15,000	50×100	8.7	76×100	11.0	76×120	11.9								
22,000	50×120	11.4												
33,000	65×120	15.9												

Ripple Current Multipliers

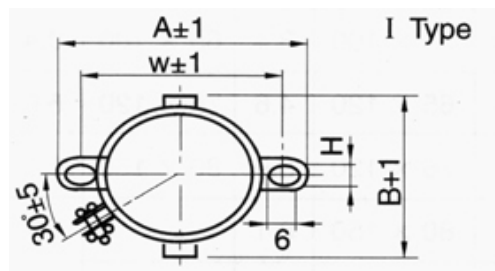
Frequency multiplying factor

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	80	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	80	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	80	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	80	0.81	0.87	1.00	1.08	1.13	1.21

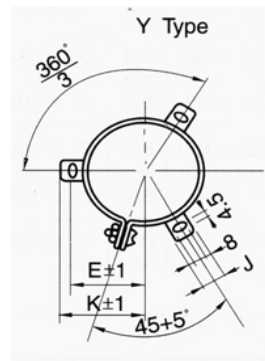
Temperature multiplying factor

Temperature(°C)	45	60	70	85
Factor	1.46	1.42	1.3	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
80	46.5	53.0	16