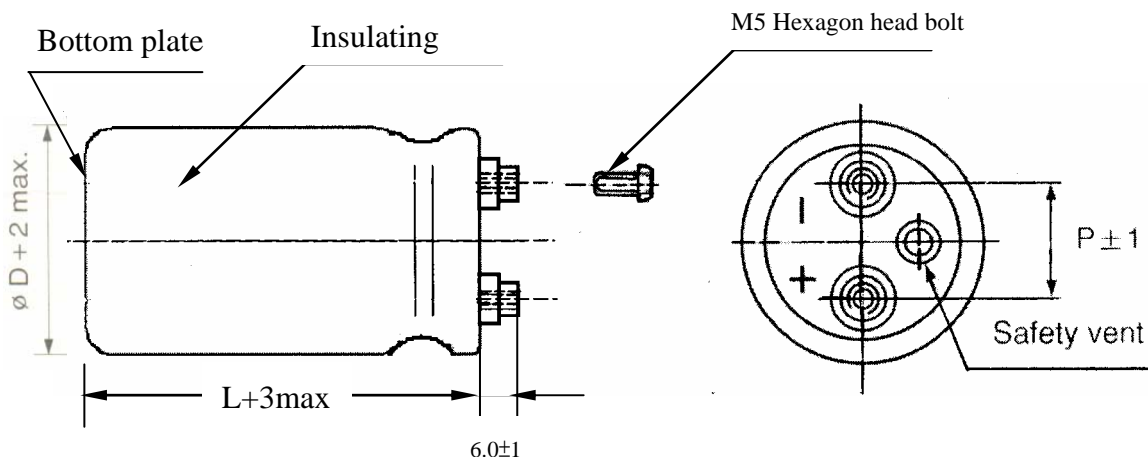


- Load life: 85°C 3000 hours.
- High ripple capability.
- Aluminum case designed explosion-proof vent.

Characteristics

Voltage Range	10 ~ 100V	160 ~ 450V									
Capacitance Range	2200 ~ 680000uF	270 ~ 22000uF									
Temperature Range	-40 ~ +85°C	-25 ~ +85°C									
Capacitance Tolerance	+20% -20% (at 20°C, 120Hz)										
Leakage Current	I=(0.02CV) u A max C: Capacitance, V:W.V. (After 5 minutes)										
Dissipation Factor(tan δ) (at 20°C, 120Hz)	Less than the value under table (%)										
	ØD \\ W.V.	10	16	25	35	50	63	80	100	160 ~ 250	350 ~ 450
	36	0.75	0.6	0.4	0.3	0.25	0.2	0.2	0.15	0.15	0.2
	51	1.0	0.7	0.5	0.5	0.3	0.25	0.2	0.2	0.15	0.2
	64	1.3	0.8	0.7	0.6	0.5	0.3	0.25	0.25	0.2	0.25
	77	1.5	1.0	0.8	0.7	0.6	0.4	0.3	0.25	0.2	0.25
	90	1.5	1.0	0.8	0.7	0.6	0.4	0.3	0.25	0.2	0.25
Stability at Low Temperature	Impedance ratio at 120Hz between the -25°C or -40°C value and 20°C value shall not exceed :										
	Z-25°C/Z 20°C								3 max		
	Z-40°C/Z 20°C								12 max		
Load Life	The following specifications shall satisfied when the capacitors are restored to 20°C after rated working voltage applied for 3,000 hours at max. operating temperature with the rated ripple current applied.										
	Capacitance change	≤ ±15% of the initial value.									
	Dissipation factor	≤ ±175% of the initial specified value									
	Leakage current	≤ The initial specified value.									
Shelf Life	After storage for 500 hours at 85°C with no voltage applied, the capacitor shall meet the specified limit in load life.										

Diagram of dimensions



Multiplier for Ripple Current VS Frequency

Cap.(uF) \\ (Hz)	60	120	400	1K	10K ≤
10~50 WV	0.8	1	1.03	1.05	1.08
63~100 WV	0.8	1	1.05	1.07	1.10
160~450 WV	0.8	1	1.10	1.13	1.18

Multiplier for R.C. vs Temperature

Temp.(°C)	60 ≥	70	85
Multiplier	1.8	1.6	1.0

Standard Products Table

μF WV	10		16		25		35		50		63		80		
	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	
3300													36x53	2.5	
3900													36x53	2.6	
4700													36x53	2.8	
5600												36x53	3.0	36x65	2.9
6800									36x53	3.3	36x53	3.2	36x83	3.7	
8200									36x53	3.7	36x65	3.8	36x83	4.2	
10000							36x53	3.6	36x53	4.3	36x83	4.1	36x101	5.0	
12000							36x53	3.7	36x65	5.3	36x83	4.4	36x121	5.4	
15000							36x53	4.0	36x83	5.5	36x101	5.5	51x83	7.7	
18000					36x53	5.0	36x65	4.7	36x83	5.7	36x121	6.2	51x83	7.8	
22000					36x65	5.4	36x83	5.6	36x83	6.1	51x83	7.1	51x83	8.0	
27000			36x53	4.6	36x83	5.8	36x83	6.2	36x101	6.7	51x83	7.4	51x101	8.7	
33000			36x65	5.0	36x83	6.0	36x83	6.3	36x121	7.1	51x101	8.8	51x121	10.5	
39000	36x53	4.8	36x83	6.3	36x83	6.7	36x101	7.6	51x83	7.4	51x121	10.0	64x101	12.1	
47000	36x65	5.4	36x101	6.6	36x101	8.0	36x121	8.7	51x83	8.7	64x101	11.9	64x101	14.4	
56000	36x83	5.7	36x101	6.8	36x121	8.4	51x83	10.0	51x101	9.8	64x101	12.6	64x121	15.0	
68000	36x83	7.1	36x101	9.3	51x83	9.3	51x83	10.8	51x101	12.0	64x121	15.0	64x141	16.8	
82000	36x121	7.6	36x121	9.5	51x83	10.0	51x101	12.0	64x101	12.3	77X101	16.4	77X121	19.4	
100000	36x121	8.4	51x83	9.8	51x101	12.0	51x121	13.6	64x121	14.2	77X121	18.9	77X141	21.5	
120000	51x83	9.0	51x101	10.0	51x121	12.9	64x101	13.8	64x121	16.0	77X141	21.6			
150000	51x83	9.9	51x101	11.3	64x101	15.3	64x101	14.6	77X121	18.6					
180000	51x101	10.9	51x121	11.9	64x101	15.5	64x121	16.7	77X141	19.5					
220000	51x101	12.6	64x101	13.2	64x121	18.0	77X101	17.4							
270000	51x121	12.8	64x121	13.9	77X101	18.8	77X141	23.1							
330000	64x101	15.6	64x141	16.5	77X121	23.2	77X151	25.9							
390000	64x121	16.2	77X121	17.1	77X141	23.5									
470000	64x141	17.4	77X141	19.8											
560000	77X121	18.1	77X151	20.7											
680000	77X141	21.6													

μF WV	100		160		200		250		350		400		450		
	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	Size	R.C.	
270											36x53	1.3	36x53	1.6	
330											36x53	1.7	36x65	1.8	
390										36x53	1.9	36x65	1.8	36x83	2.2
470								36x53	1.6	36x65	2.1	36x83	2.3	36x83	2.4
560								36x53	1.6	36x83	2.4	36x83	2.7	36x101	2.8
680					36x53	1.6	36x53	1.7	36x83	2.9	36x101	2.9	36x121	3.1	
820					36x53	1.7	36x65	1.8	36x101	3.4	36x101	3.4	51x83	3.6	
1000					36x65	2.2	36x83	2.4	36x101	3.8	36x121	3.9	51x83	4.0	
1200			36x53	2.3	36x65	2.3	36x83	2.4	36x121	4.2	51x83	4.2	51x101	4.8	
1500			36x65	3.2	36x83	2.9	36x101	3.1	51x83	4.7	51x101	4.8	51x121	5.7	
1800			36x83	3.4	36x83	2.9	36x121	3.4	51x101	6.3	51x101	5.7	64x101	6.5	
2200	36x53	2.5	36x83	3.6	36x101	3.6	51x83	3.9	51x101	6.4	51x121	7.0	64x101	7.2	
2700	36x53	2.7	36x101	3.8	36x121	4.0	51x83	4.0	64x101	8.8	64x101	7.9	64x121	8.7	
3300	36x53	3.2	36x121	4.7	51x83	4.6	51x101	5.4	64x101	8.8	64x121	9.5	77X121	10.5	
3900	36x65	3.3	51x83	5.3	51x83	4.7	51x121	6.0	64x121	10.3	77X101	10.7	77X121	12.0	
4700	36x83	3.5	51x83	5.6	51x101	7.1	64x101	7.3	77X101	12.0	77X121	12.8	77X141	13.3	
5600	36x83	3.8	51x101	6.4	51x121	8.3	64x101	7.3	77X121	12.7	77X141	14.5			
6800	36x101	4.5	51x101	7.5	64x101	9.5	64x121	8.9	77X141	16.0	77X151	17.5			
8200	36x101	6.0	51x121	8.1	64x101	10.0	77X101	8.9							
10000	36x121	6.3	64x101	9.9	64x121	11.1	77X121	11.8							
12000	51x83	6.6	64x121	10.8	77X101	11.6	77X141	13.1							
15000	51x83	8.5	77X101	12.7	77X121	12.9									
18000	51x101	8.9	77X121	14.1	77X141	15.2									
22000	51x121	10.2	77X141	16.6											
27000	64x101	11.0													
33000	64x121	11.7													
39000	77X101	12.5													
47000	77X121	14.5													
56000	77X141	16.2													
68000	77X151	18.3													

Ripple Current (A, rms) at 85°C 120Hz