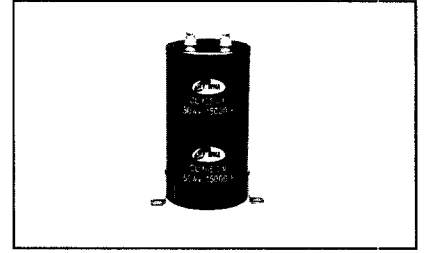


LARGE ALUMINUM ELECTROLYTIC CAPACITORS

CU Screw Terminal Type, Wide Temperature Range Series

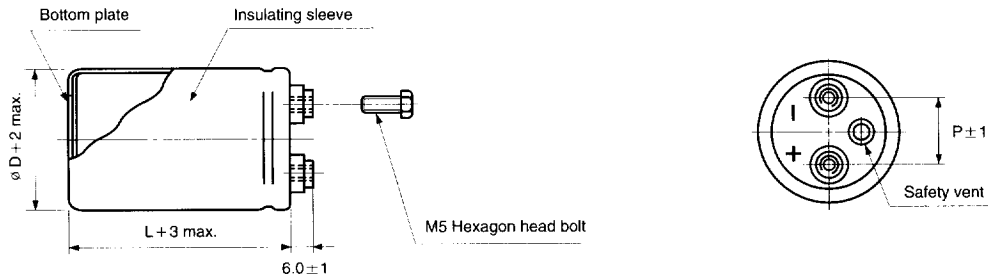
- Screw terminal series for high temperature up to 105°C
- High ripple current capability
- Ideally suited use as input and output filter capacitors in power supplies



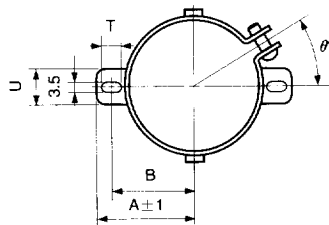
Item	Characteristics										
Operating temperature range	-40 ~ +105°C										
Capacitance tolerance	±20% at 120Hz, 20°C										
Leakage current max.	$I=3\sqrt{CV}$ (μA) (after 5 minutes)										
Dissipation factor max. (at 120Hz, 20°C)	ϕD \ WV	16	25	35	50	63	80	100	160	200,250	350,400
	35	0.45	0.45	0.40	0.30	0.25	0.25	0.20	0.15	0.15	0.25
	51	0.60	0.60	0.45	0.45	0.35	0.30	0.20	0.15	0.15	0.25
	63.5	0.80	0.70	0.50	0.50	0.40	0.35	0.25	0.20	0.20	0.25
	76.2	1.20	0.90	0.70	0.70	0.70	0.50	0.40	0.35	0.25	0.25
Load life (after application of the rated voltage for 2000 hours at 105°C)	Leakage current	Less than specified value									
	Capacitance change	Within ±20% of initial value									
	tanδ	Less than 200% of specified value									
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value										

● DRAWING

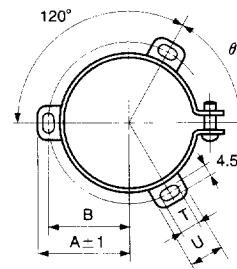
Unit mm



● TWO LEGS ANGLE



● THREE LEGS ANGLE



● TWO LEGS ANGLE SIZE TABLE

φ D	B	A	T	U	θ°	P
35	24	29	7	10	30	12.7
51	33.6	39.9	6	14	30	22
63.5	40.8	46.8	6	14	30	28.6

● THREE LEGS ANGLE SIZE TABLE

φ D	B	A	T	U	θ°	P
51	32.9	38.9	7	12	60	22
63.5	38.4	45.3	7	14	60	28.6
76.2	44.5	51.5	8	16	60	31.8

LARGE ALUMINUM ELECTROLYTIC CAPACITORS



CU series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \diagdown WV	16		25		35		50	
6800							35×50	3.1
10000					35×60	3.5	35×60	4.0
15000			35×50	3.8	35×80	4.8	35×80	5.5
22000	35×60	4.9	35×68	5.1	35×100	6.4	35×120	8.0
33000	35×80	6.7	35×100	7.4	35×120	8.5	51×100	8.3
47000	35×100	8.8	35×120	9.5	51×100	9.9	51×120	10.7
68000	51×80	9.5	51×100	10.3	51×120	12.8	63.5×100	12.6
100000	51×100	12.5	51×120	13.5	63.5×120	16.4	76.2×120	13.7
150000	51×140	17.6	63.5×120	16.9	76.2×120	16.8	76.2×140	17.9
220000	63.5×120	19.2	76.2×120	18.0	76.2×160	22.8		
330000	76.2×120	19.1	76.2×160	24.6				
470000	76.2×160	25.5						

μF \diagdown WV	63		80		100		160	
1000							35×60	1.7
1500					35×60	1.9	35×68	2.1
2200					35×80	2.6	35×100	3.0
3300					35×100	3.5	35×120	4.0
4700			35×60	3.0	51×80	4.3	51×100	5.0
6800	35×60	3.7	35×80	4.1	51×100	5.7	51×140	7.0
10000	35×80	5.0	35×100	5.4	51×140	7.9	63.5×120	7.6
15000	35×120	7.2	51×80	6.3	63.5×140	9.5	76.2×120	7.0
22000	51×80	7.0	51×100	8.3	76.2×140	9.1	76.2×160	9.4
33000	51×120	10.1	51×140	11.7				
47000	63.5×100	11.7	63.5×140	14.3				
68000	63.5×140	16.0	76.2×140	14.2				
100000	76.2×140	14.6						

μF \diagdown WV	200		250		350		400	
220							35×50	0.6
330					35×60	0.7	35×60	0.7
470			35×60	1.1	35×80	1.0	35×80	1.0
680	35×50	1.3	35×80	1.5	35×100	1.3	35×120	1.4
1000	35×68	1.8	35×100	2.1	35×120	1.7	51×80	1.6
1500	35×80	2.3	51×80	2.6	51×100	2.2	51×120	2.4
2200	35×120	3.3	51×100	3.4	51×140	3.1	63.5×120	3.2
3300	51×100	4.2	51×140	4.8	63.5×120	3.9	76.2×120	3.9
4700	51×140	5.8	63.5×120	5.2	76.2×120	4.6	76.2×160	5.2
6800	63.5×120	6.2	76.2×120	5.5	76.2×160	6.2		
10000	76.2×120	6.7	76.2×160	7.5				
15000	76.2×160	9.2						

Ripple current (A rms) at 105°C, 120Hz
Case size \varnothing D×L (mm)

● PERMISSIBLE RIPPLE CURRENT MULTIPLIERS

WV \ Frequency	50Hz	120Hz	300Hz	1kHz	10kHz~
~ 100	0.8	1	1.1	1.15	1.2
160 ~ 250	0.8	1	1.1	1.15	1.3
315 ~	0.8	1	1.2	1.35	1.4