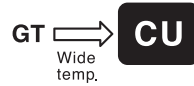


LARGE ALUMINUM ELECTROLYTIC CAPACITORS

CU Screw Terminal Type, Wide Temperature Range Series

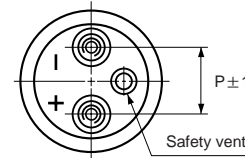
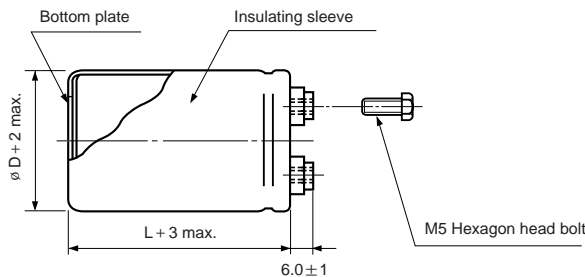
- Screw terminal series for high temperature up to 105°C
- High ripple current capability
- Ideally suited for use as input and output filter capacitors in power supplies



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)	<table border="1"> <thead> <tr> <th>φ D WV</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> <th>160</th> <th>200,250</th> <th>350,400</th> </tr> </thead> <tbody> <tr> <td>35</td> <td>0.45</td> <td>0.45</td> <td>0.40</td> <td>0.30</td> <td>0.25</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> <td>0.15</td> <td>0.25</td> </tr> <tr> <td>51</td> <td>0.60</td> <td>0.60</td> <td>0.45</td> <td>0.45</td> <td>0.35</td> <td>0.30</td> <td>0.20</td> <td>0.15</td> <td>0.15</td> <td>0.25</td> </tr> <tr> <td>63.5</td> <td>0.80</td> <td>0.70</td> <td>0.50</td> <td>0.50</td> <td>0.40</td> <td>0.35</td> <td>0.25</td> <td>0.20</td> <td>0.20</td> <td>0.25</td> </tr> <tr> <td>76.2</td> <td>1.20</td> <td>0.90</td> <td>0.70</td> <td>0.70</td> <td>0.70</td> <td>0.50</td> <td>0.40</td> <td>0.35</td> <td>0.25</td> <td>0.25</td> </tr> </tbody> </table>	φ D 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
	φ D WV	16	25	35	50	63	80	100	160	200,250	350,400																																													
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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.																																																							

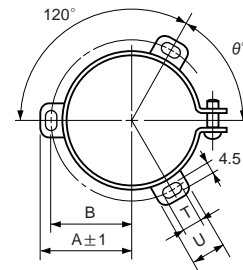
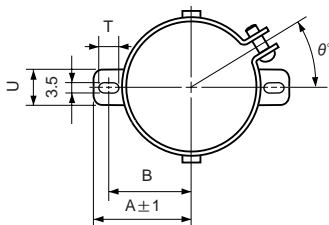
DRAWING

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

CU series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV μF	16		25		35		50	
	6800							35 × 50
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						

WV μF	63		80		100		160	
	1000							35 × 60
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						

WV μF	200		250		350		400	
	220							35 × 50
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 ø D × L (mm)

● PERMISSIBLE RIPPLE CURRENT MULTIPLIERS

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