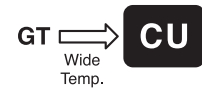


CU Screw Terminal Type, Wide Temperature Range Series

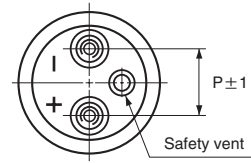
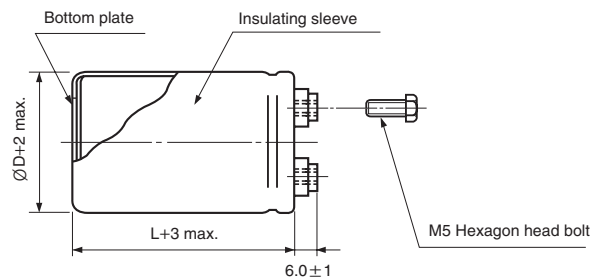
- Screw terminal series for high temperature up to 105°C
- High ripple current capability
- Ideally suited for use as input and output filter capacitors in power supplies
- Complied to the RoHS directive



Item	Characteristics																																																							
Operating temperature range	WV ≤ 350 : -40~105°C, WV > 350 : -25~105°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>∅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>	∅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
	∅D \ WV	16	25	35	50	63	80	100	160	200,250	350,400																																													
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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.																																																							

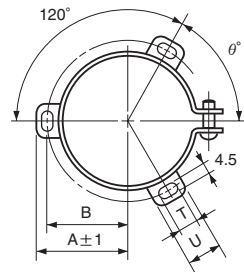
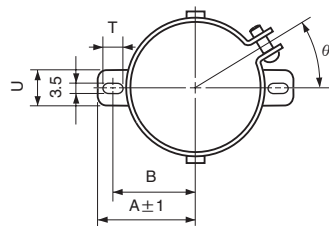
● DRAWING

Unit : mm



● TWO LEGS ANGLE

● THREE LEGS ANGLE



● TWO LEGS ANGLE SIZE TABLE

∅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

∅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

μF \ 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 18.4	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 \ 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 7.3
15000	35×120 7.2	51×80 6.3	63.5×140 9.2	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 \ 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 ∅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