

## CDC06 Screw Terminal Type, Long Life Series

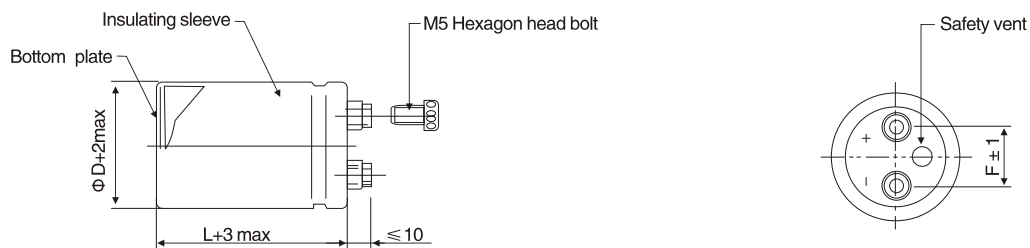
- Low voltage, super high capacitance, long life, suited for use in hi-fi circuits
- Load life of 5000 hours at 85°C



### Specifications

Item	Characteristics																														
Operating Temperature Range	-25°C ~ +85°C																														
Rated Voltage Range	10~25V.DC																														
Nominal Capacitance Range	330000 μ F~3000000 μ F																														
Capacitance Tolerance	M (± 20%) (20°C, 120Hz)																														
Leakage Current	$I \leq 3\sqrt{CV}$ (μ A) or 5(mA), whichever is smaller. C:Nominal capacitance ( μ F) V:Rated voltage(V) (20°C, after 5 minutes)																														
Dissipation Factor (Max)	<table border="1"> <thead> <tr> <th>ΦD \ WV</th> <th>10</th> <th>16</th> <th>20</th> <th>25</th> </tr> </thead> <tbody> <tr> <td>63.5</td> <td>1.2</td> <td>0.8</td> <td>—</td> <td>—</td> </tr> <tr> <td>75</td> <td>1.6</td> <td>1.1</td> <td>1.0</td> <td>0.75</td> </tr> <tr> <td>80</td> <td>1.8</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>90</td> <td>2.0</td> <td>1.5</td> <td>1.3</td> <td>1.0</td> </tr> <tr> <td>100</td> <td>2.4</td> <td>1.5</td> <td>1.3</td> <td>1.0</td> </tr> </tbody> </table> <p>(20°C, 120Hz)</p>	ΦD \ WV	10	16	20	25	63.5	1.2	0.8	—	—	75	1.6	1.1	1.0	0.75	80	1.8	—	—	—	90	2.0	1.5	1.3	1.0	100	2.4	1.5	1.3	1.0
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100	2.4	1.5	1.3	1.0																											
Load Life	<p>After 5000 hours' application of rated voltage with rated ripple current at 85°C, the capacitors shall meet the following requirement:</p> <table border="1"> <tbody> <tr> <td>Capacitance change</td> <td>Within ± 20% of the initial value .</td> </tr> <tr> <td>Dissipation factor</td> <td>Not more than 200% of the initial specified value.</td> </tr> <tr> <td>Leakage current</td> <td>Not more than the initial specified value.</td> </tr> </tbody> </table>	Capacitance change	Within ± 20% of the initial value .	Dissipation factor	Not more than 200% of the initial specified value.	Leakage current	Not more than the initial specified value.																								
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Shelf Life	After storage for 1000 hours at +85°C, the capacitors shall meet the requirement of load life above .																														

### DRAWING



Φ D	63.5		75			80	90				100	
L	100	120	105	120	140	180	180	200	220	240	220	240
F	28		32			35	32				41.5	

mm

## CDC06 Series

### ■ DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

$\mu F$ \ WV	10		16		20		25	
330000	63.5 × 100	15.90	63.5 × 120	25.10	75 × 120	25.20	75 × 140	25.30
470000	63.5 × 120	19.0	75 × 120	30.0	90 × 157	30.50	90 × 170	30.80
500000	75 × 105	20.0	75 × 140	32.0	90 × 180	32.30	90 × 200	32.50
680000	75 × 120	22.80	90 × 170	33.0	90 × 200	33.10	90 × 220	33.30
1000000	80 × 180	27.70	90 × 200	34.0	90 × 220	34.20	90 × 240	34.50
1200000	90 × 180	30.50	90 × 220	36.30	100 × 220	38.0	100 × 240	39.0
1500000	90 × 220	33.90	100 × 220	37.20	100 × 240	40.0	100 × 240	40.0
2000000	100 × 220	39.0	100 × 240	42.80	100 × 240	44.10	← Rated ripple current(A rms) (85°C, 120Hz)  ← Case size $\Phi D \times L$ (mm)	
3000000	100 × 240	45.70	100 × 240	47.0				