

CD50S SERIES



ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 1000 hours at 85°C
- 5mm height
- VTR, digital cameras car radios, micro cassette tape recorder etc.



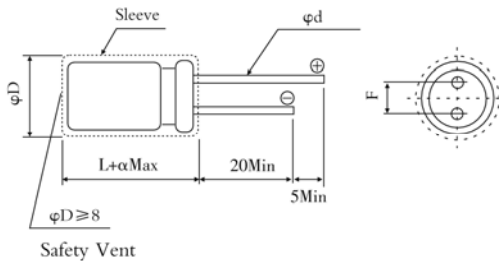
SPECIFICATIONS

Item	Characteristics																											
Operating Temperature Range(°C)	-40 ~ +85																											
Rated Voltage Range (V)	4~50																											
Nominal capacitance range(μF)	0.1~470																											
Capacitance Tolerance(20°C, 120Hz)	±20%																											
Leakage Current (μA)	$I \leq 0.01CV$ or 3 whichever is greater. (at 20°C, after 2 minutes) C: Nominal Capacitance (μF) V: Rated Voltage (V)																											
Dissipation Factor(20°C,120Hz)	<table border="1"> <thead> <tr> <th colspan="2">Rated voltage (v)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td rowspan="2">tan δ</td> <td>φ3-φ6.3</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> <tr> <td>φ8</td> <td>0.39</td> <td>0.28</td> <td>0.24</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	Rated voltage (v)		4	6.3	10	16	25	35	50	tan δ	φ3-φ6.3	0.35	0.24	0.20	0.16	0.14	0.12	0.10	φ8	0.39	0.28	0.24	0.16	0.14	0.12	0.10	
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DIMENSIONS

MM

MULTIPLIER FOR RIPPLE CURRENT



Lead spacing and diameter

φD±0.5	3	4	5	6.3	8
F±0.5	1.0	1.5	2.0	2.5	
φd±0.1	0.4	0.45			
a	0~+1.0				

Frequency coefficient

Rated voltage(v)	Freq(Hz)			
	50,60	120	1K	10K-100K
4~16	0.80	1	1.1	1.2
25~35	0.80	1	1.5	1.7
50	0.80	1	1.6	1.9

Temperature coefficient

Temperature(°C)	+70	+85
Coefficient	1.35	1

■ STANDARD RATINGS

WV(V)	4		6.3		10		16		25		35		50	
Cap(μF)	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple	Size(mm)	Ripple
	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)	φDxL	(mA)
0.1	-	-	-	-	-	-	-	-	-	-	-	-	3x5	3
	-	-	-	-	-	-	-	-	-	-	-	-	4x5	3
0.22	-	-	-	-	-	-	-	-	-	-	-	-	3x5	4
	-	-	-	-	-	-	-	-	-	-	-	-	4x5	5
0.33	-	-	-	-	-	-	-	-	-	-	-	-	3x5	5
	-	-	-	-	-	-	-	-	-	-	-	-	4x5	6
0.47	-	-	-	-	-	-	-	-	-	-	-	-	3x5	6
	-	-	-	-	-	-	-	-	-	-	-	-	4x5	7
1	-	-	-	-	-	-	-	-	-	-	-	-	3x5	8
	-	-	-	-	-	-	-	-	-	-	-	-	4x5	10
2.2	-	-	-	-	-	-	-	-	-	-	3x5	11	4x5	15
	-	-	-	-	-	-	-	-	-	-	4x5	14		
3.3	-	-	-	-	-	-	-	-	3x5	13	4x5	17	4x5	18
	-	-	-	-	-	-	-	-	4x5	15				
4.7	-	-	-	-	-	-	3x5	14	4x5	18	4x5	20	5x5	25
	-	-	-	-	-	-	4x5	17						
10	-	-	3x5	17	4x5	22	4x5	25	5x5	30	5x5	30	6.3x5	40
	-	-	4x5	20										
22	3x5	21	4x5	30	5x5	35	5x5	40	6.3x5	50	6.3x5	55	8x5	75
	4x5	25												
33	4x5	30	5x5	40	5x5	45	6.3x5	60	6.3x5	65	8x5	80	8x5	90
47	4x5	35	5x5	50	6.3x5	65	6.3x5	70	8x5	95	8x5	100	-	-
100	5x5	60	6.3x5	85	6.3x5	95	8x5	125	8x5	135	-	-	-	-
220	6.3x5	105	8x5	145	8x5	155	-	-	-	-	-	-	-	-
330	8x5	150	8x5	175	-	-	-	-	-	-	-	-	-	-
470	8x5	180	-	-	-	-	-	-	-	-	-	-	-	-

■ Ripple Current: 85°C, 100Hz or 120Hz.

The specific capacitance and case size are available on request.