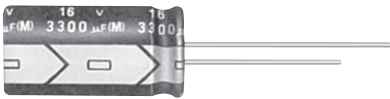


CD263/263X SERIES



ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 2000 hours at 105°C
- Low impedance, High ripple current
- High performance and reliability
- For switching mode power supplies(SMPS) and industry electronics

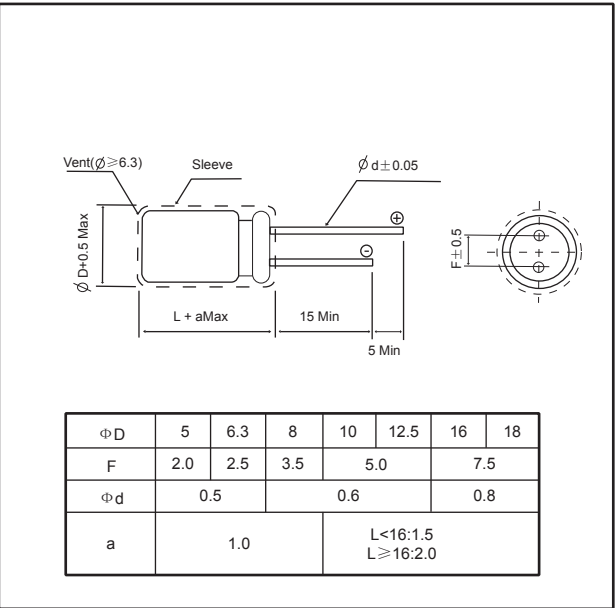


SPECIFICATIONS

Item	Characteristics																																																																															
Operating Temperature Range (℃)	-55~+105℃								-40~+105℃																																																																							
Rated Voltage Range(V)	6.3~100V								160~450V																																																																							
Capacitance Tolerance (20℃, 120Hz)	± 20%																																																																															
Leakage Current (μ A)	0.01CV or 3 whichever is greater. (at 20℃ after 2 minutes)								CV≤ 1000:0.1CV+40(at 20℃, after 1 minute) CV>1000:0.04CV+100(at 20℃ after 1 minute)																																																																							
C:Nominal Capacitance(μ F), V:Rated Voltage(V)																																																																																
Dissipation Factor (20℃, 120Hz)	<table><tr><td>Rated voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td><td>160</td><td>200</td><td>250</td><td>315</td><td>350</td><td>400</td><td>450</td></tr><tr><td>tan δ</td><td>0.22</td><td>0.19</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.09</td><td>0.08</td><td>0.15</td><td>0.15</td><td>0.15</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.20</td></tr></table>																Rated voltage (V)	6.3	10	16	25	35	50	63	100	160	200	250	315	350	400	450	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.15	0.15	0.15	0.20	0.20	0.20	0.20																																
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when normal capacitance is over 1000 μ F tan δ shall be added 0.02 to the listed value with incese of every 1000 μ F.																																																																																
Temperature Stability (120Hz)	<table><tr><td colspan="4">Rated voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td rowspan="2">Impedance ratio</td><td colspan="3">Z_{-25℃}/Z_{+20℃}</td><td>4</td><td>3</td><td colspan="9">2</td></tr><tr><td colspan="3">Z_{-40℃}/Z_{+20℃}</td><td>8</td><td>6</td><td>4</td><td colspan="9">3</td></tr></table>																Rated voltage (V)				6.3	10	16	25	35	50	63	100	Impedance ratio	Z _{-25℃} /Z _{+20℃}			4	3	2									Z _{-40℃} /Z _{+20℃}			8	6	4	3																														
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		Z _{-40℃} /Z _{+20℃}			8	6	4	3																																																																								
	<table><tr><td colspan="4">Rated voltage (V)</td><td colspan="5">160~250</td><td colspan="7">315~450</td></tr><tr><td rowspan="2">Impedance ratio</td><td colspan="3">Z_{-25℃}/Z_{+20℃}</td><td colspan="9">3</td></tr><tr><td colspan="3">Z_{-40℃}/Z_{+20℃}</td><td colspan="5">8</td><td colspan="6">6</td></tr></table>																Rated voltage (V)				160~250					315~450							Impedance ratio	Z _{-25℃} /Z _{+20℃}			3									Z _{-40℃} /Z _{+20℃}			8					6																										
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Load Life (+105℃)	<table><tr><td colspan="4">Time</td><td colspan="12">2000hours.(Φ D≤8,1000 hours)</td></tr><tr><td colspan="4">Leakage current</td><td colspan="12">Not more than the specified value.</td></tr><tr><td colspan="4">Capacitance change</td><td colspan="12">Within ±20% of the initial value</td></tr><tr><td colspan="4">Dissipation factor</td><td colspan="12">Not more than 200% of the specified value.</td></tr></table>																Time				2000hours.(Φ D≤8,1000 hours)												Leakage current				Not more than the specified value.												Capacitance change				Within ±20% of the initial value												Dissipation factor				Not more than 200% of the specified value.											
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Shelf Life (+105℃)	After leaving capacitors under no load for 1000hours, they meet the specified value for load life characteristics listed above *After test: U _R to be applied for 30 minutes, 24 to 48 hours before measurement.																																																																															

DIMENSIONS

mm



MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Rated Voltage(V)	Freq(Hz) CV(μF)	50,60	120	1K	10K	100K
		50,60	120	1K	10K	100K
6.3~16	0.1~4.7	--	0.4	0.7	0.8	1.0
	10~47	--	0.5	0.8	0.9	1.0
	100~220	--	0.7	0.9	0.9	1.0
	330~1000	--	0.8	0.9	1.0	1.0
	2200~15000	--	0.9	1.0	1.0	1.0
160~450	0.47~220	0.80	1.0	1.3	1.4	1.6

Temperature coefficient

Rated Voltage(V)	Temperature(°C)		
	+70	+85	+105
6.3~100	2.0	1.7	1.0
160~450	1.8	1.4	1.0