

SEI CAPACITORS

SEI Capacitors, Inc.

335 Beinoris Drive, Wood Dale, IL 60191

Phone: 773-774-6666

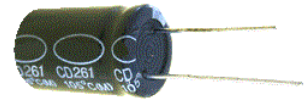
Fax: 773-774-6690

www.capacitorindustries.com

CD261 SERIES

Aluminum Electrolytic Capacitors

- Features:
- Long rated life of 8,000 ~ 10,000 hours at 105 °C
 - Polarized capacitors; non-solid; pressure relief
 - High rated voltage, high ripple current, high reliability
 - For electronic ballasts, lighting, monitors, general industrial use
 - Filtering of high voltages in power supplies



SPECIFICATION

Operating Temperature Range (°C)	-25 ~ +105														
Rated Voltage Range (V)	160 ~ 450														
Nominal Capacitance Range (uF)	6.8 ~ 220														
Capacitance Tolerance (20 °C, 120 Hz)	± 20%														
Leakage Current (uA)	$I \leq 0.04CV + 100\mu A$ (after 1 minute) C = Nominal capacitance (uF); V = Rated voltage (V)														
Dissipation Factor (20 °C, 120 Hz)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>D.F.</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> </tr> </table>	Rated Voltage (V)	160	200	250	350	400	450	D.F.	0.15	0.15	0.15	0.20	0.20	0.20
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Temperature Stability (120 Hz)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>Z -40 °C / Z +20 °C</td> <td>3</td> <td>3</td> <td>4</td> <td>6</td> <td>6</td> <td>6</td> </tr> </table>	Rated Voltage (V)	160	200	250	350	400	450	Z -40 °C / Z +20 °C	3	3	4	6	6	6
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Load Life (+105 °C)	<table border="1"> <tr> <td>Leakage Current</td> <td>Not more than the initial specified value</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ± 20% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value</td> </tr> </table> <p>After life test with DC voltage and +105°C ripple current applied for regulation times, the capacitors shall meet the requirements specified above. Regulation time of life test: Φ10=8000 hours; Φ12.5~Φ18=10000 hours</p>	Leakage Current	Not more than the initial specified value	Capacitance Change	Within ± 20% of the initial value	Dissipation Factor	Not more than 300% of the specified value								
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Shelf Life (+105 °C)	<table border="1"> <tr> <td>Time</td> <td>1000 hours (No voltage applied)</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than specified value</td> </tr> <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 specified value</td> </tr> </table> <p>After test: Rated voltage to be applied for 30minutes, 24 to 48 hours before measurement</p>	Time	1000 hours (No voltage applied)	Leakage Current	Not more than specified value	Capacitance Change	Within ± 20% of the initial value	Dissipation Factor	Not more than 200% of the specified value						
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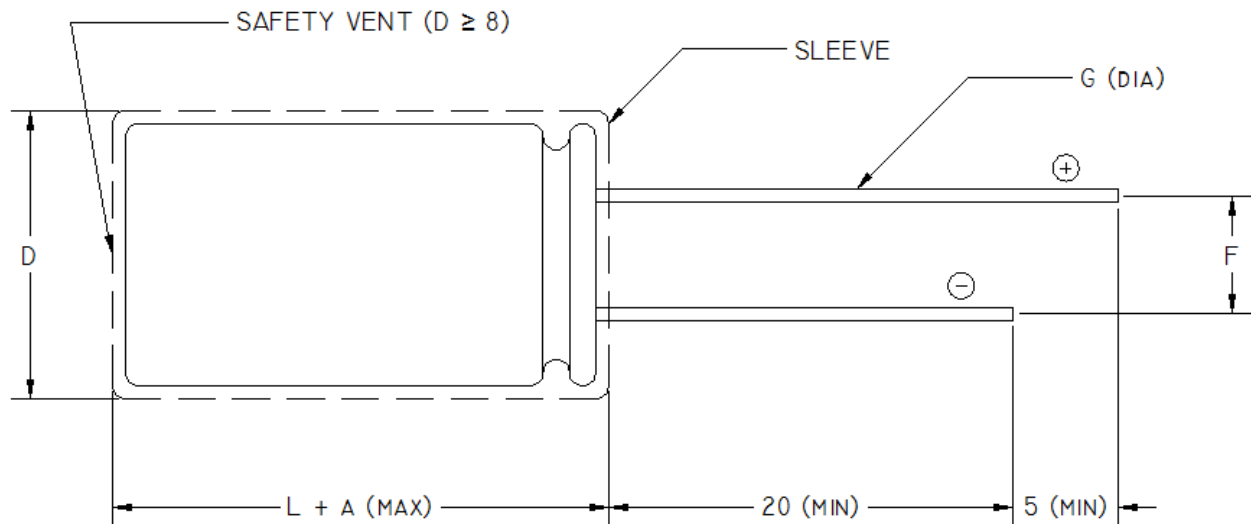
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DIMENSIONS



Dimensions are in millimeters (mm)

D ± 0.5	10	12.5	16	18
F ± 0.5	5.0	5.0	7.5	7.5
G ± 0.1	0.6	0.6	0.8	0.8
A	1.5 (L ≤ 16); 2.0 (L > 16)			

Lead spacing and diameter

RIPPLE CURRENT MULTIPLIER

Frequency (Hz)	50	120	1K	10K	100K
Factor	0.3	0.5	0.8	0.9	1.00

Frequency Coefficient

Temperature (°C)	≤ +65	+85	+105
Factor	2.1	1.7	1.0

Temperature Coefficient

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STANDARD RATINGS

Cap (uF) \ WV	160		200		250	
	D x L (mm)	Ripple (mA)	D x L (mm)	Ripple (mA)	D x L (mm)	Ripple (mA)
10	10 x 16	250	10 x 16	250	10 x 20	230
22	10 x 20	500	10 x 20	500	12.5 x 20	600
33	10 x 20	500	12.5 x 20	600	12.5 x 20	600
47	12.5 x 20	660	12.5 x 20	660	12.5 x 25	720
					16 x 20	
68	12.5 x 25	760	12.5 x 25	760	16 x 25	920
	16 x 20		18 x 20			
100	16 x 25	1120	16 x 25	1120	16 x 31.5	1200
	18 x 20		18 x 25			
150	16 x 31.5	1360	16 x 31.5	1360	18 x 31.5	1500
	18 x 25		18 x 25			
220	16 x 31.5	1400	18 x 31.5	1700	-	-

Cap (uF) \ WV	350		400		450	
	D x L (mm)	Ripple (mA)	D x L (mm)	Ripple (mA)	D x L (mm)	Ripple (mA)
6.8	10 x 16	220	10 x 16	220	10 x 20	150
10	10 x 20	280	10 x 20	280	12.5 x 20	320
22	12.5 x 20	350	12.5 x 20	430	16 x 25	560
			16 x 20		18 x 20	
33	16 x 20	500	16 x 25	640	16 x 31.5	700
			18 x 20		18 x 25	
47	16 x 25	660	16 x 31.5	840	18 x 31.5	880
	18 x 20		18 x 25			
68	16 x 31.5	850	16 x 31.5	1000	18 x 35	1130

Unless otherwise specified, all electrical values apply at Tamb +20 °C

Ripple Current (mA RMS): 105 °C, 120 Hz

ESR: Equivalent Series Resistance at 120 Hz (calculated from tan δ Max and CR)

Z: Max Impedance at 10 KHz

Specific capacitance and case sizes are available upon request.