

# SEI CAPACITORS

SEI Capacitors, Inc.

335 Beinoris Drive, Wood Dale, IL 60191

Phone: 773-774-6666

Fax: 773-774-6690

www.capacitorindustries.com

## CD269 SERIES

Aluminum Electrolytic Capacitors

- Features:
- Long rated life of 2,000 hours at 125 °C
  - Wide temperature



### SPECIFICATION

Operating Temperature Range (°C)	-40 ~ +125																						
Rated Voltage Range (V)	10 ~ 63	100 ~ 350																					
Nominal Capacitance Range (uF)	47 ~ 3,300	0.47 ~ 100																					
Capacitance Tolerance (20 °C, 120 Hz)	± 20%																						
Leakage Current (uA)	$I \geq 0.04CV$ (at 20 °C, after 2 minutes)	$I \geq 0.02CV+15$																					
	C = Nominal capacitance (uF); V = Rated voltage (V)																						
Dissipation Factor (20 °C, 120 Hz)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>200 ~ 350</td> </tr> <tr> <td>D.F.</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>≤ 0.20</td> </tr> </table>							Rated Voltage (V)	10	16	25	35	50	63	200 ~ 350	D.F.	0.20	0.16	0.14	0.12	0.10	0.09	≤ 0.20
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Load Life (+125 °C)	<table border="1"> <tr> <td>Time</td> <td>2,000 hours</td> </tr> <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 200% of the specified value</td> </tr> </table>		Time	2,000 hours	Leakage Current	Not more than the initial specified value	Capacitance Change	Within ± 20% of the initial value	Dissipation Factor	Not more than 200% of the specified value													
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# SEI-CAPACITORS

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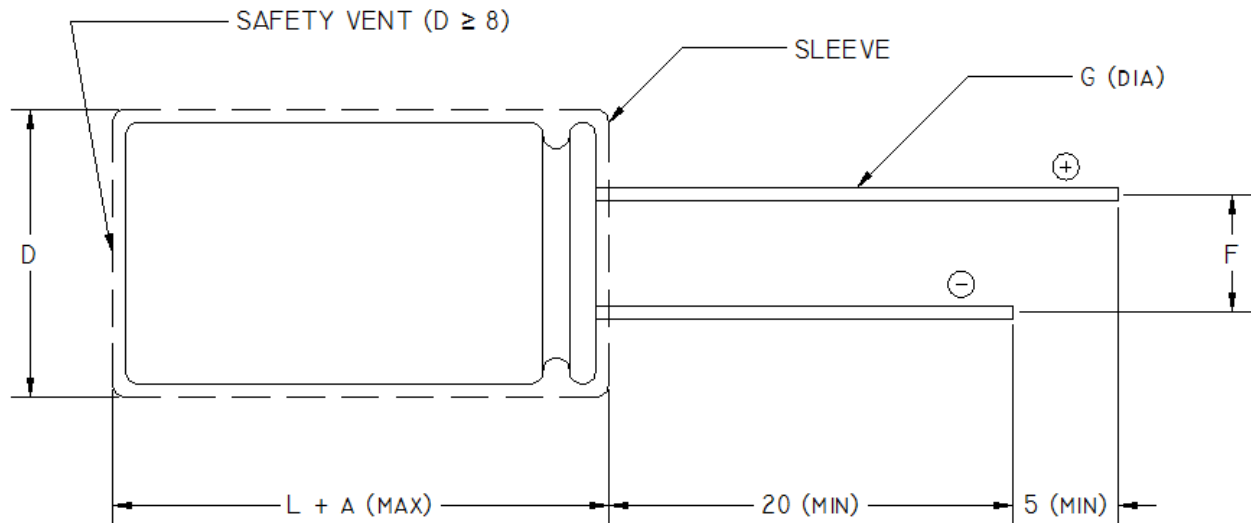
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## DIMENSIONS



Dimensions are in millimeters (mm)

D	± 0.5		± 1.0			
	6.3	8	10	12.5	16	18
F	2.5	3.5	5.0	5.0	7.5	7.5
G	0.5	0.6	0.6	0.6	0.8	0.8
A	0 ~ +2.0					

Lead spacing and diameter

## RIPPLE CURRENT MULTIPLIER

Cap (uF) \ Freq (Hz)	120	1K	10K	100K
0.47 ~ 100	0.40	0.75	0.90	1.00
220 ~ 330	0.50	0.85	0.95	1.00
470 ~ 1,000	0.60	0.88	0.96	1.00
2,200 ~ 3,300	0.75	0.90	0.98	1.00

Frequency Coefficient

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## STANDARD RATINGS

WV uF	10			16			25		
	DxL (mm)	Impedance Z (Ohm)	Ripple (mA)	DxL (mm)	Impedance Z (Ohm)	Ripple (mA)	DxL (mm)	Impedance Z (Ohm)	Ripple (mA)
220				8X12	0.33	340	8X15	0.23	480
330	8X12	0.33	340	10X12.5	0.24	500	10X16	0.2	630
470	10X12.5	0.24	500	10X16	0.2	630	10X20	0.12	770
1,000	10X20	0.12	770	12.5X20	0.075	920	12.5X25	0.06	1,250
2,200	12.5X25	0.061	1,250	16X25	0.05	1,380	-	-	-
3,300	16X25	0.05	1,380						

WV uF	35			50			63		
	DxL (mm)	Impedance Z (Ohm)	Ripple (mA)	DxL (mm)	Impedance Z (Ohm)	Ripple (mA)	DxL (mm)	Impedance Z (Ohm)	Ripple (mA)
47							8X12	0.68	245
100	8X12	0.33	340	10X12.5	0.36	420	10X16	0.38	425
220	10X16	0.2	630	10X20	0.20	655	12.5X20	0.18	665
330	10X20	0.12	770	12.5X20	0.12	780	12.5X25	0.14	900
470	12.5X20	0.075	920	12.5X25	0.10	1,060			
1,000	16X25	0.05	1,380						

WV uF	100		200		250		350	
	DxL (mm)	Ripple (mA)	DxL (mm)	Ripple (mA)	DxL (mm)	Ripple (mA)	DxL (mm)	Ripple (mA)
0.47	5x11	8	6.3x11	8	6.3X11	8		
1			6.3x11	12	6.3X11	12	8X11.5	12
2.2			6.3x11	16	8X11.5	20	10X12.5	24
3.3			8x11.5	28	10X16	28	10X16	28
4.7			10X16	40	10X16	32	10X16	36
10			12.5X20	60	12.5X20	60	12.5X20	60
22			12.5X20	96	12.5X25	112	12.5X25	112
33			16X20	152	16X25	136	16X31.5	160
47			16X20	176	18X35.5	192	18X35.5	208
100			18X31.5	244	-	-	-	-

Ripple Current: 125 °C; Impedance: 20 °C, 100 KHz.  
Specific capacitance and case sizes are available upon request.