

LARGE CAN SIZE

LP

Series

Snap-in Terminal Type , Standard

JAMICON®

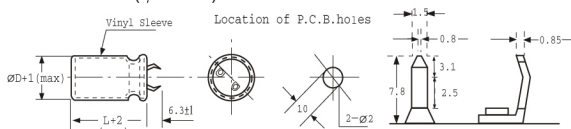
- Three kinds of terminal are available for your use .
- Withstanding 2000 hours application of high ripple current at 85°C .

SPECIFICATION

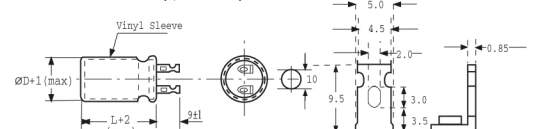
Item	Characteristic																														
Operation Temperature Range	-40~+85°C	-25~+85°C																													
Rated working Voltage	10~100VDC	160~450VDC																													
Capacitance Tolerance (120Hz 25°C)	±20%(M)																														
Leakage Current (25°C)	I ≤ 0.03 CV or 3 (mA) I: Leakage Current (μA) C: Rated Capacitance(μF) V: Working Voltage (V) Whichever is smaller after 5 minutes																														
Surge Voltage (25°C)	<table border="1"> <tr> <td>W.V.</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>350</td><td>400</td><td>450</td> </tr> <tr> <td>S.V.</td> <td>13</td><td>20</td><td>32</td><td>44</td><td>63</td><td>79</td><td>125</td><td>200</td><td>250</td><td>300</td><td>400</td><td>450</td><td>500</td> </tr> </table>		W.V.	10	16	25	35	50	63	100	160	200	250	350	400	450	S.V.	13	20	32	44	63	79	125	200	250	300	400	450	500	
W.V.	10	16	25	35	50	63	100	160	200	250	350	400	450																		
S.V.	13	20	32	44	63	79	125	200	250	300	400	450	500																		
Dissipation Factor (tan δ) (120Hz 25°C)	<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>100</td><td>160~250</td><td>350~450</td> </tr> <tr> <td rowspan="2">tan δ</td> <td>CV ≤ 100,000</td> <td>0.50</td><td>0.40</td><td>0.35</td><td>0.25</td><td>0.25</td><td>0.25</td><td>0.20</td><td>0.20</td> </tr> <tr> <td>CV > 100,000</td> <td>0.60</td><td>0.50</td><td>0.45</td><td>0.35</td><td>0.30</td><td>0.30</td><td>0.25</td><td>0.20</td> </tr> </table>		Rated Voltage (V)	10	16	25	35	50	63	100	160~250	350~450	tan δ	CV ≤ 100,000	0.50	0.40	0.35	0.25	0.25	0.25	0.20	0.20	CV > 100,000	0.60	0.50	0.45	0.35	0.30	0.30	0.25	0.20
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tan δ	CV ≤ 100,000	0.50	0.40	0.35	0.25	0.25	0.25	0.20	0.20																						
	CV > 100,000	0.60	0.50	0.45	0.35	0.30	0.30	0.25	0.20																						
Low Temperature Stability	Impedance ratio at 120Hz <table border="1"> <tr> <td>Rated Voltage (V)</td> <td>10 ~ 100</td><td>160~250</td><td>350~450</td> </tr> <tr> <td>-25°C/+25°C</td> <td>4</td><td>6</td><td>8</td> </tr> <tr> <td>-40°C/+25°C</td> <td>15</td><td>—</td><td>—</td> </tr> </table>		Rated Voltage (V)	10 ~ 100	160~250	350~450	-25°C/+25°C	4	6	8	-40°C/+25°C	15	—	—																	
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Load Life	After 2000 hours application of WV at +85°C , the capacitor shall meet the following limits. <table border="1"> <tr> <td>Capacitance Change</td> <td>≤ ±20% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>≤ 150% of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>≤ initial specified value</td> </tr> </table>		Capacitance Change	≤ ±20% of initial value	Dissipation Factor	≤ 150% of initial specified value	Leakage current	≤ initial specified value																							
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Leakage current	≤ initial specified value																														
Shelf Life	At +85°C no voltage application after 1000 hours and then through the aging treatment (reference JIS C 5102 4.4) , the capacitor shall meet the limits for load life characteristics .																														
Reference Standard	JIS C 5102																														

TERMINAL TYPE

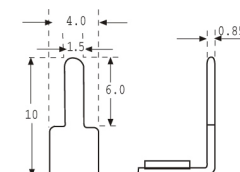
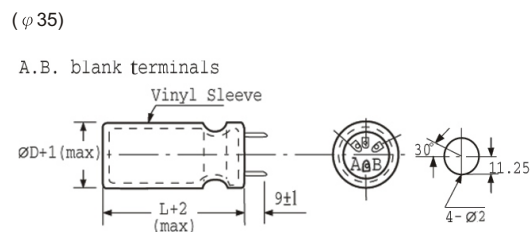
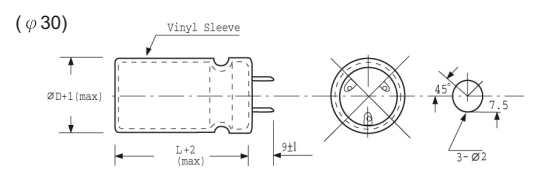
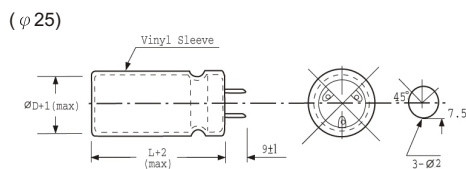
▲ P.C.B. TERMINAL (SNAP IN)
SYMBOL:W(φ 22~35)



▲ LUG TERMINAL
SYMBOL:G(φ 22~35)



▲ P.C.B. TERMINAL
SYMBOL:V(φ 25~35)



RIPPLE CURRENT COEFFICIENTS

Temperature(°C)	45	60	70	85
Multiplier	1.55	1.30	1.20	1.00

Frequency(Hz)	60	120	1K	10K	100K
W. V.	Multiplier				
10~35 V	0.90	1.00	1.05	1.10	1.10
50~100 V	0.90	1.00	1.15	1.20	1.20
160~250 V	0.80	1.00	1.35	1.45	1.50
350~450 V	0.90	1.00	1.30	1.40	1.45

● CASE SIZE & MAX RIPPLE CURRENT

Case size : DxL (mm)
 Max ripple current : A (rms)
 (R.C.) : 85°C 120Hz

μF	V(Code) Item Code	10 (1A)		16 (1C)		25 (1E)		35 (1V)	
		DxL	R.C.	DxL	R.C.	DxL	R.C.	DxL	R.C.
3300	332					22x25	2.03	22x25	2.04
						25x25	2.09	25x25	2.10
4700	472			22x25	1.81	22x30	2.49	22x30	2.41
				25x25	2.21	25x25	2.31	30x25	2.44
6800	682			22x25	2.40	22x35	2.87	22x40	2.98
				25x25	2.47	30x25	2.72	30x30	2.86
8200	822	22x25	2.39	22x30	2.70	22x40	3.16	22x45	3.25
		25x25	2.46	30x25	2.73	30x30	3.03	35x30	3.42
10000	103	22x30	2.69	22x35	3.00	22x45	3.45	25x45	3.41
		25x25	2.57	30x25	2.84	30x30	3.14	35x30	3.51
12000	123	22x30	2.81	22x40	3.30	22x50	3.74	25x50	3.68
		30x25	2.84	30x30	3.16	35x30	3.75	35x35	3.84
15000	153	22x35	3.14	22x45	3.62	25x45	3.78	30x45	4.08
		30x25	2.97	35x25	3.55	35x30	3.89	35x40	4.47
22000	223	22x45	3.79	25x45	4.25	30x50	4.94	35x45	5.68
		30x30	3.45	35x30	4.37	35x40	5.17		
33000	333	25x45	4.99	30x45	5.48	35x50	6.95	35x70	8.42
		35x30	4.89	35x40	6.01				
47000	473	30x45	5.97	35x45	7.53	35x60	8.97		
		35x40	6.54						
68000	683	35x50	8.64	35x60	10.24				

μF	V(Code) Item Code	50 (1H)		63 (1J)		100 (2A)	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
820	821					22x30	1.55
						25x25	1.54
1000	102			22x25	1.42	22x30	1.71
				25x25	1.46	30x25	2.20
1500	152			22x25	1.74	22x40	2.38
				30x25	1.81	35x30	2.54
2200	222	22x25	1.92	22x30	2.08	25x45	2.77
		25x25	1.98	30x25	2.10	35x30	2.85
3300	332	22x35	2.51	22x45	2.81	30x45	3.27
		30x25	2.38	35x25	2.76	35x35	3.39
4700	472	22x40	2.89	25x45	3.11	35x45	4.01
		35x25	2.99	35x30	3.20		
6800	682	25x45	3.37	30x45	3.54	35x60	4.85
		35x30	3.46	35x35	3.68		
8200	822	25x50	3.62	30x50	3.81	35x70	5.30
		35x35	3.79	35x40	3.99		
10000	103	30x45	3.72	35x50	4.48	35x70	5.49
		35x35	3.86				
12000	123	35x45	4.53	35x60	5.13		
15000	153	35x50	5.30				

Case size : DxL (mm)
 Max ripple current : mA (rms)
 (R.C.) : 85°C 120Hz

μ F	V(Code)	Code	Item	160 (2C)		200 (2D)		250 (2E)	
				Dx L	R.C.	DxL	R.C.	DxL	R.C.
220	221					22x25	0.97	22x30	1.14
						25x25	1.00	25x25	1.09
330	331			22x25	1.11	22x30	1.29	22x40	1.58
				25x25	1.14	25x25	1.23	30x25	1.42
470	471			22x35	1.53	22x40	1.74	22x50	2.09
				30x25	1.45	30x25	1.55	30x35	1.93
560	561			22x35	1.67	22x45	2.00	25x45	2.29
				30x25	1.58	30x30	1.82	35x30	2.22
680	681			22x40	1.95	25x40	2.14	30x40	2.46
				30x30	1.87	30x35	2.14	35x35	2.68
820	821			22x50	2.36	25x50	2.59	30x45	2.83
				30x30	2.05	35x30	2.55	35x40	3.11
1000	102			25x45	2.55	30x45	2.87	35x45	3.60
				35x30	2.62	35x35	2.99		
1500	152			30x45	3.28	35x50	4.24		

μ F	V(Code)	Code	Item	350 (2V)		400 (2G)		450 (2W)	
				Dx L	R.C.	DxL	R.C.	DxL	R.C.
47	470					22x25	0.43	22x25	0.36
						25x25	0.45	25x25	0.37
100	101			22x30	0.66	22x30	0.68	22x35	0.61
				25x25	0.63	25x25	0.65	25x30	0.59
150	151			22x35	0.86	22x40	0.95	22x50	0.88
				30x25	0.82	30x25	0.85	30x30	0.76
220	221			22x45	1.17	22x50	1.27	25x50	1.08
				30x30	1.06	25x40	1.17	35x35	1.13
330	331			25x50	1.53	30x45	1.59	35x45	1.53
				35x35	1.60	35x35	1.65		
470	471			30x50	1.92	35x45	2.19		
				35x40	2.01				
560	561			35x45	2.31				