



### FEATURES

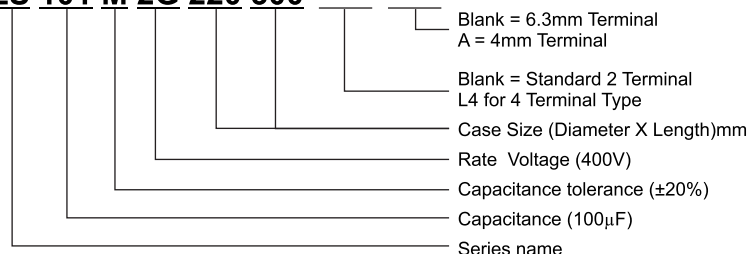
- Has a snap-in terminal which can solder directly to a PCB
- Suitable for electronic equipment with medium-high voltage circuits
- Printed circuit board terminal snap-in type or lug terminal type available

### SPECIFICATIONS

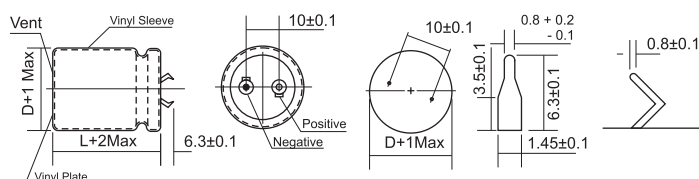
Items	Performance																		
Operating Temperature Range	-40 °C ~ +85 °C																		
Capacitance Tolerance	±20% (at 120Hz, 20 °C)																		
Leakage Current (at 20 °C)	I = 0.02CV or 1.5 mA whichever is smaller (after 5 minutes) Where, C= rated capacitance in µF. V= rated DC working voltage in V.																		
Dissipation Factor (Tanδ at 120Hz, 20 °C)	Rated Voltage	16	25	35	50	63	80	100	160	200	250	350	400	420	450	500			
	Tanδ (max)	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15			
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																		
	Rated Voltage				16	25	35	50	63	100	160	200	250	350	400	420	450	500	
	Impedance Ratio	Z (-25 °C)/Z(+20 °C)			4	3	3	2	2	4	4	4	4	8	8	8	8	8	
		Z(-40 °C)/Z(+20 °C)			15	10	8	6	5	4	8	10	10	16	18	18	20	20	
Load Life Test	Test Time		3,000 Hrs						* The specifications shall be satisfied when the capacitors are restored to 20 °C after the rated voltage applied for 3,000 hrs at 85 °C										
	Capacitance Change		≤ ± 20%																
	Dissipation Factor		Less than 200% of specified value																
	Leakage Current		Within specified value																
Shelf Life Test	Test Time		1,000 Hrs						* The specification shall be staisfied when the capacitors are restored to 20 °C after exposing them for 1,000 hrs at 85 °C										
	Capacitance Change		≤ ± 20%																
	Dissipation Factor		Less than 200% of specified value																
	Leakage Current		Within specified value																
Ripple Current & Frequency Multipliers	<div><div>Freq. (Hz)</div><div>W. V. (V)</div></div>	60	120	500	1k	10k up													
		Under 100	0.92	1.0	1.13	1.19													1.20
		160 and Up	0.81	1.0	1.32	1.45													1.50
		350 and Up	0.77	1.0	1.30	1.41													1.43
Ripple Current & Temperature Multipliers	Temperature ( °C)	40	55	70	85														
	Multiplier	2.1	1.8	1.5	1.0														
Other Standards	Satisfies Characteristic W fo JIS C 5141																		

### PART NUMBER SAMPLE

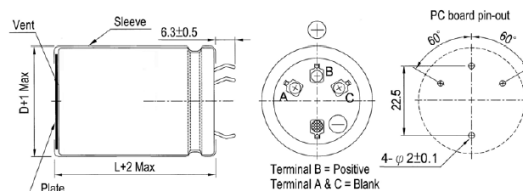
**LS 101 M 2G 220 300**



### ■ SNAP-IN TERMINAL TYPE (2 TERMINAL)



### ■ SNAP-IN TERMINAL TYPE (4 TERMINAL)



### ■ DIMENSIONS AND PERMISSIBLE RIPPLE CURRENT

Dimension: D x L (mm), Ripple Current: A/rms at 120Hz, 85°C, ESR at 120Hz, 20°C

		16V(1C)														
		20			22			25			30			35		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
8,200	822	20 x 25	2.41	0.08	22 x 25	2.56	0.081									
10,000	103	20 x 25	2.46	0.07	22 x 25	2.6	0.066	25 x 25	2.81	0.07						
12,000	123	20 x 30	2.98	0.06	22 x 25	2.88	0.055	25 x 25	2.96	0.06						
15,000	153	20 x 35	3.49	0.04	22 x 30	3.45	0.044	25 x 25	3.38	0.04	30 x 25	3.73	0.044			
18,000	183	20 x 40	3.72	0.04	22 x 30	3.47	0.037	25 x 25	3.47	0.04						
22,000	223	20 x 45	4.07	0.03	22 x 35	3.84	0.03	25 x 30	3.83	0.03	30 x 25	4.08	0.03	35 x 25	4.15	0.03
27,000	273				22 x 45	4.63	0.025	25 x 40	4.72	0.03						
33,000	333				22 x 50	5.2	0.02	25 x 45	5.41	0.02	30 x 35	5.4	0.02	35 x 25	5.19	0.02
39,000	393										30 x 40	6.02	0.017	35 x 30	5.88	0.02
47,000	473										30 x 45	6.95	0.014	35 x 35	6.85	0.01
56,000	563													35 x 40	7.39	0.01
68,000	683													35 x 45	8.06	0.01

		25V(1E)														
		20			22			25			30			35		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
5,600	562	20 x 25	2.18	0.107	22 x 25	2.31	0.107									
6,800	682	20 x 25	2.25	0.088	22 x 25	2.38	0.088	25 x 25	2.78	0.088						
8,200	822	20 x 30	2.3	0.073	22 x 25	2.43	0.073	25 x 25	2.85	0.073						
10,000	103	20 x 35	2.97	0.06	22 x 30	2.97	0.06	25 x 25	2.93	0.06	30 x 25	3.21	0.06			
12,000	123				22 x 35	3.33	0.05	25 x 30	3.26	0.05	30 x 25	3.59	0.05	35 x 25	3.58	0.05
15,000	153				22 x 40	3.68	0.04	25 x 35	3.77	0.04	30 x 25	3.6	0.04	35 x 25	3.96	0.04
18,000	183				22 x 45	4.36	0.033	25 x 35	4.2	0.033	30 x 30	4.4	0.033	35 x 25	4.34	0.033
22,000	223							25 x 45	4.71	0.027	30 x 35	4.7	0.027	35 x 25	4.6	0.027
27,000	273										30 x 45	5.79	0.022	35 x 35	5.71	0.022
33,000	333													35 x 40	6.31	0.018
39,000	393													35 x 45	6.92	0.015
47,000	473															
56,000	563															
68,000	683															

		35V(1V)														
		20			22			25			30			35		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
4,700	472				22 x 25	2.21	0.113	25 x 25	2.42	0.113						
5,600	562	20 x 30	2.54	0.095	22 x 30	2.69	0.095	25 x 25	2.69	0.095						
6,800	682	20 x 35	2.6	0.078	22 x 35	2.7	0.078	25 x 25	2.67	0.078	30 x 25	2.99	0.078			
8,200	822	20 x 40	3.02	0.065	22 x 35	3.09	0.065	25 x 30	3.12	0.065	30 x 25	3.04	0.065			
10,000	103				22 x 40	3.22	0.053	25 x 35	3.37	0.053	30 x 25	3.28	0.053	35 x 25	3.6	0.053
12,000	123				22 x 45	3.71	0.044	25 x 40	3.79	0.044	30 x 30	3.74	0.044	35 x 25	3.75	0.044
15,000	153							25 x 45	4.55	0.035	30 x 35	4.54	0.035	35 x 25	4.37	0.035
18,000	183							25 x 50	4.84	0.029	30 x 40	4.87	0.029	35 x 30	5.03	0.029
22,000	223										30 x 45	5.79	0.024	35 x 35	5.71	0.024
27,000	273													35 x 45	6.81	0.02
33,000	333													35 x 50	7.15	0.018

		50V(1H)														
		20			22			25			30			35		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
2,200	222				22 x 25	1.93	0.211									
2,700	272				22 x 25	2.05	0.172									
3,300	332				22 x 30	2.41	0.141	25 x 25	2.38	0.141						
3,900	392				22 x 30	2.51	0.119	25 x 25	2.46	0.119						
4,700	472				22 x 35	2.83	0.099	25 x 30	3.03	0.099	30 x 25	3.01	0.099			
5,600	562				22 x 40	3.21	0.083	25 x 35	3.37	0.083	30 x 25	3.17	0.083	35 x 25	3.47	0.083
6,800	682				22 x 45	3.73	0.068	25 x 35	3.59	0.068	30 x 30	3.56	0.068	35 x 25	3.64	0.068
8,200	822							25 x 40	4.1	0.057	30 x 30	4.12	0.057	35 x 25	4.07	0.057
10,000	103							25 x 50	4.91	0.046	30 x 35	4.68	0.046	35 x 30	4.59	0.046
12,000	123										30 x 40	5.1	0.039	35 x 35	5.3	0.039
15,000	153										30 x 50	6.28	0.031	35 x 40	6.24	0.031
18,000	183													35 x 45	7.18	0.026

		63V(1J)											
		22			25			30			35		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
1,800	182	22 x 25	1.9	0.221									
2,200	222	22 x 30	2.35	0.181	25 x 25	2.3	0.181						
2,700	272	22 x 35	2.5	0.147	25 x 25	2.34	0.147						
3,300	332	22 x 35	2.62	0.121	25 x 30	2.69	0.121	30 x 25	2.78	0.121			
3,900	392	22 x 40	2.9	0.102	25 x 35	3.09	0.102	30 x 30	3.09	0.102	35 x 25	3.62	
4,700	472	22 x 50	3.49	0.085	25 x 40	3.37	0.085	30 x 30	3.37	0.085	35 x 25	3.36	0.085
5,600	562				25 x 45	3.77	0.071	30 x 35	3.75	0.071	35 x 30	3.88	0.071
6,800	682				25 x 50	4.41	0.059	30 x 40	4.41	0.059	35 x 30	4.04	0.059
10,000	103							30 x 50	5.49	0.04	35 x 40	5.47	0.04

		80V(1K)											
		22			25			30			35		
$\mu$ F	Code	D X L	A/rms	$\Omega$	D X L	A/rms	$\Omega$	D X L	A/rms	$\Omega$	D X L	A/rms	$\Omega$
1,200	122	22 x 25	1.62	0.276									
1,500	152	22 x 25	1.81	0.221									
1,800	182	22 x 30	2.14	0.184	25 x 25	2.14	0.184						
2,200	222	22 x 35	2.37	0.151	25 x 30	2.49	0.151	30 x 25	2.48	0.151			
2,700	272	22 x 40	2.78	0.123	25 x 35	2.82	0.123	30 x 25	2.74	0.123			
3,300	332	22 x 35	3.14	0.101	25 x 40	3.2	0.101	30 x 30	3.16	0.101	35 x 25	3.24	0.101
3,900	392	22 x 50	3.58	0.085	25 x 45	3.67	0.85	30 x 35	3.66	0.085	35 x 25	3.52	0.085
4,700	472				25 x 50	4.1	0.071	30 x 40	4.13	0.071	35 x 30	4.03	0.071
5,600	562							30 x 45	4.61	0.059	35 x 35	4.54	0.059
6,800	682							30 x 50	5.18	0.049	35 x 40	5.15	0.049
8,200	822										35 x 45	5.8	0.04
10,000	103										35 x 50	6.69	0.033

		100V(2A)														
		22			25			30			35			40		
$\mu$ F	Code	D X L	A/rms	$\Omega$	D X L	A/rms	$\Omega$	D X L	A/rms	$\Omega$	D X L	A/rms	$\Omega$	D X L	A/rms	$\Omega$
1,200	122	22 x 30	2.12	0.221	25 x 25	2.1	0.221									
1,500	152	22 x 35	2.45	0.177	25 x 30	2.43	0.177	30 x 25	2.46	0.177						
1,800	182	22 x 40	2.77	0.147	25 x 35	2.77	0.147	30 x 25	2.65	0.147						
2,200	222	22 x 45	3.12	0.121	25 x 40	3.2	0.121	30 x 30	3.1	0.121	35 x 25	3.14	0.121			
2,700	272				25 x 45	3.61	0.098	30 x 35	3.6	0.098	35 x 30	3.71	0.098			
3,300	332				25 x 50	4.06	0.08	30 x 40	4.05	0.08	35 x 35	4.07	0.08			
3,900	392							30 x 45	4.6	0.068	35 x 35	4.5	0.068			
4,700	472							30 x 50	5.13	0.056	35 x 40	5.12	0.056			
5,600	562										35 x 45	5.75	0.047			
6,800	682													40 x 100	8.65	0.029

		160V(2C)																	
		20			22			25			30			35			40		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	Ω	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
270	271	20 x 25	1.12	0.737	22 x 25	1.27	0.737												
330	331	20 x 30	1.28	0.603	22 x 25	1.4	0.603												
390	391				22 x 30	1.62	0.51												
470	471				22 x 30	1.77	0.423	25 x 25	1.77	0.423									
560	561				22 x 30	1.92	0.355	25 x 25	1.92	0.355	30 x 25	2.02	0.355						
					22 x 35	2.05	0.355												
680	681				22 x 35	2.12	0.293	25 x 30	2.22	0.293	30 x 25	2.22	0.293						
820	821				22 x 40	2.32	0.243	25 x 30	2.32	0.243	30 x 25	2.31	0.243	35 x 25	2.5	0.243			
1,000	102				22 x 50	2.88	0.199	25 x 40	2.86	0.199	30 x 40	2.82	0.199	35 x 25	2.79	0.199			
1,200	122							25 x 45	3.27	0.166	30 x 35	3.25	0.166	35 x 30	3.24	0.166			
1,500	152										30 x 40	3.77	0.133	35 x 35	3.75	0.133			
1,800	182										30 x 45	4.1	0.111	35 x 35	4.08	0.111			
2,200	222													35 x 45	4.72	0.09			
2,700	272													35 x 55	5.53	0.074			
3,300	332													35 x 70	6.8	0.06	40 x 50	6.34	0.06
3,900	392													35 x 80	7.84	0.051	40 x 60	7.45	0.051
4,700	472													35 x 90	8.62	0.042	40 x 80	8.79	0.042

		200V(2D)														
		22			25			30			35			40		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
220	221	22 x 25	1.15	0.905												
270	271	22 x 25	1.3	0.737												
330	331	22 x 25	1.4	0.603	25 x 25	1.43	0.603									
390	391	22 x 25	1.42	0.51	25 x 25	1.63	0.51									
470	471	22 x 30	1.68	0.423	25 x 25	1.68	0.423	30 x 25	1.85	0.423						
560	561	22 x 35	1.97	0.355	25 x 30	2.05	0.355	30 x 25	2.05	0.355						
680	681	22 x 40	2.24	0.293	25 x 30	2.13	0.293	30 x 25	2.21	0.293	35 x 25	2.43	0.293			
820	821	22 x 45	2.32	0.243	25 x 35	2.23	0.243	30 x 30	2.62	0.243	35 x 25	2.68	0.243			
1,000	102	22 x 50	2.57	0.199	25 x 40	2.5	0.199	30 x 30	2.47	0.199	35 x 25	2.53	0.199			
1,200	122				25 x 45	2.89	0.166	30 x 35	2.88	0.166	35 x 30	2.97	0.166			
1,500	152				25 x 55	3.41	0.133	30 x 45	3.46	0.133	35 x 35	3.42	0.133			
1,800	182							30 x 50	3.97	0.111	35 x 40	3.95	0.111			
2,200	222							30 x 60	4.91	0.09	35 x 45	4.35	0.09	40 x 60	4.48	0.09
2,700	272										35 x 55	4.79	0.074	40 x 50	5	0.074
3,300	332										35 x 65	5.69	0.06	40 x 60	5.9	0.06
3,900	392										35 x 80	6.3	0.051	40 x 60	5.97	0.061
4,700	472										35 x 90	7.1	0.042	40 x 70	6.77	0.042
5,600	562										35 x 100	7.36	0.036			

		250V(2E)														
		22			25			30			35			40		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
180	181	22 x 25	1.01	1.106												
220	221	22 x 25	1.18	0.905	25 x 25	1.24	0.905									
270	271	22 x 25	1.21	0.737	25 x 25	1.49	0.737									
330	331	22 x 30	1.58	0.603	25 x 25	1.53	0.603	30 x 25	1.59	0.603						
390	391	22 x 30	1.57	0.57	25 x 25	1.57	0.51	30 x 25	1.77	0.51						
470	471	22 x 35	1.72	0.423	25 x 30	1.73	0.423	30 x 25	1.8	0.423						
560	561	22 x 45	2.12	0.355	25 x 35	2.04	0.355	30 x 25	2.01	0.355	35 x 25	2.21	0.355			
680	681	22 x 50	2.48	0.293	25 x 45	2.54	0.293	30 x 30	2.38	0.293	35 x 30	2.54	0.293			
820	821				25 x 50	2.92	0.243	30 x 35	2.78	0.243	35 x 30	2.87	0.243			
1,000	102				25 x 55	3.06	0.199	30 x 45	3.11	0.199	35 x 35	3.06	0.199			
1,200	122				25 x 60	3.33	0.166	30 x 50	3.39	0.166	35 x 35	3.2	0.166			
1,500	152							30 x 60	4.06	0.133	35 x 45	3.92	0.133	40 x 40	4.04	0.133
1,800	182							30 x 65	4.27	0.111	35 x 50	4.15	0.111	40 x 50	4.5	0.111
2,200	222										35 x 60	4.92	0.09	40 x 60	5.3	0.09
2,700	272										35 x 90	5.4	0.074	40 x 80	6.3	0.074
3,300	332										35 x 90	6.1	0.06	40 x 80	7	0.06
3,900	392										35 x 100	7.47	0.051			
4,700	472													40 x 100	8.88	0.042

		350V(2V)														
		20			22			25			30			35		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
82	820	20 x 20	0.58	2.427	22 x 25	0.7	2.427									
100	101	20 x 25	0.7	1.99	22 x 25	0.77	1.99	25 x 20	0.73	1.99						
120	121	20 x 30	0.95	1.659	22 x 25	0.99	1.659	25 x 20	0.8	1.659						
150	151	20 x 35	1.05	1.327				25 x 25	1.16	1.327	30 x 25	1.24	1.327			
180	181	20 x 35	1.08	1.106	22 x 35	1.28	1.106	25 x 30	1.3	1.106	30 x 25	1.37	1.106			
220	221	20 x 45	1.36	0.905	22 x 40	1.4	0.905	25 x 30	1.28	0.905	30 x 25	1.47	0.905			
270	271				22 x 45	1.62	0.737	25 x 35	1.65	0.737	30 x 30	1.71	0.737	35 x 25	1.72	0.737
330	331				22 x 50	1.89	0.603	25 x 40	1.84	0.603	30 x 30	1.74	0.603	35 x 25	1.77	0.603
390	391							25 x 45	2.04	0.51	30 x 35	2.12	0.51	35 x 30	2.41	0.51
470	471										30 x 40	2.41	0.423	35 x 30	2.25	0.423
560	561										30 x 45	2.6	0.355	35 x 35	2.62	0.355
680	681													35 x 40	2.8	0.293
820	821													35 x 45	3.35	0.243

		400V(2G)																	
		20			22			25			30			35			40		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
56	560																		
68	680	20 x 25	0.66	2.927	22 x 25	0.72	2.927												
82	820	20 x 25	0.72	2.427	22 x 25	0.8	2.427												
100	101	20 x 25	0.75	1.99	22 x 25	0.81	1.99	25 x 20	0.79	1.99									
120	121				22 x 30	1.04	1.659	25 x 25	1.06	1.659									
150	151	20 x 35	1	1.327	22 x 30	1.06	1.327	25 x 25	1.06	1.327	30 x 25	1.24	1.327						
180	181	20 x 40	1.17	1.106	22 x 35	1.16	1.106	25 x 30	1.23	1.106	30 x 25	1.45	1.106	35 x 25	1.54	1.106			
220	221	20 x 45	1.39	0.905	22 x 40	1.39	0.905	25 x 30	1.33	0.905	30 x 25	1.38	0.905	35 x 25	1.44	0.905			
270	271				22 x 45	1.54	0.737	25 x 35	1.48	0.737	30 x 30	1.56	0.737	35 x 25	1.53	0.737			
330	331				22 x 50	1.7	0.603	25 x 45	1.76	0.603	30 x 35	1.76	0.603	35 x 25	1.68	0.603			
390	391							25 x 45	1.86	0.51	30 x 35	1.89	1.51	35 x 30	1.97	0.51			
470	471							25 x 55	2.26	0.423	30 x 40	2.18	0.423	35 x 30	2.12	0.423	40 x 25	2.16	0.423
560	561										30 x 45	2.37	0.355	35 x 35	2.34	0.355			
680	681										30 x 55	2.85	0.293	35 x 40	2.72	0.293	40 x 35	2.79	0.293
820	821										30 x 60	3.25	0.243	35 x 50	3.28	0.243	40 x 40	3.23	0.243
1,000	102													35 x 55	3.77	0.199	40 x 45	3.75	0.199
1,200	122													35 x 65	4.5	0.166	40 x 60	4.68	0.166
1,500	152													35 x 80	5.51	0.133	40 x 70	5.6	0.133
1,800	182																40 x 80	6.5	0.111

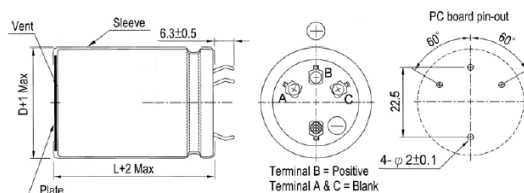
		420V(2P)																	
		20			22			25			30			35			40		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
220	221				22 x 45	1.38	0.91	25 x 35	1.33	0.905									
330	331							25 x 50	1.9	0.603	30 x 40	1.99	0.603						
390	391													35 x 35	2.37	0.423			
560	561										30 x 50	2.73	0.355	35 x 40	2.73	0.355			
680	681													35 x 45	3.16	0.293	40 x 50	3.7	0.293
820	821													35 x 55	3.69	0.243	40 x 45	3.66	0.243
1,000	102													35 x 65	4.48	0.199	40 x 50	4.27	0.199
1,200	122													35 x 70	4.9	0.166	40 x 55	4.76	0.166
1,500	152																40 x 70	5.9	0.133
1,800	182																40 x 80	6.86	0.111

		450V(2W)																	
		20			22			25			30			35			40		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
56	560	20 x 25	0.57	3.554	22 x 25	0.68	3.554												
68	680	20 x 25	0.62	2.927	22 x 20	0.58	2.927												
82	820	20 x 30	0.74	2.427	22 x 25	0.69	2.427	25 x 25	0.75	2.427									
100	101	20 x 30	0.78	1.99	22 x 25	0.77	1.99	25 x 25	0.83	1.99									
120	121	20 x 35	0.92	1.659	22 x 35	0.97	1.659	25 x 25	0.91	1.659	30 x 25	1.1	1.659						
150	151	20 x 40	1.06	1.327	22 x 35	1.2	1.327	25 x 30	1.16	1.327	30 x 25	1.16	1.327						
180	181	20 x 45	1.21	1.106	22 x 40	1.21	1.106	25 x 35	1.31	1.106	30 x 25	1.19	1.106	35 x 25	1.35	1.106			
220	221				22 x 50	1.48	0.905	25 x 40	1.47	0.905	30 x 30	1.42	0.905	35 x 25	1.45	0.905			
270	271				22 x 55	1.71	0.737	25 x 45	1.59	0.737	30 x 35	1.65	0.737	35 x 25	1.61	0.737			
330	331							25 x 50	1.76	0.603	30 x 40	1.93	0.603	35 x 30	1.88	0.603			
390	391							25 x 55	2.08	0.51	30 x 40	2	0.51	35 x 30	1.95	0.95			
470	471										30 x 45	2.35	0.423	35 x 40	2.45	0.423			
560	561										30 x 55	2.76	0.355	35 x 40	2.63	0.355			
680	681													35 x 50	2.91	0.293	40 x 40	2.98	0.293
820	821													35 x 55	3.86	0.243	40 x 50	4	0.243
1,000	102													35 x 70	4.74	0.199	40 x 55	4.6	0.199
1,200	122													35 x 80	5.51	0.166	40 x 65	5.42	0.166
1,500	152													30 x 100	5.99	0.133			
2,200	222																45 x 90	8.48	0.09

		500V(2H)																	
		20			22			25			30			35			40		
μF	Code	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω	D X L	A/rms	Ω
56	560	20 x 25	0.54	3.554	22 x 25	0.57	3.554												
68	680	20 x 30	0.65	2.927	22 x 25	0.63	2.927	25 x 20	0.62	2.927									
82	820	20 x 30	0.71	2.427	22 x 30	0.75	2.427	25 x 25	0.75	2.427									
100	101				22 x 35	0.85	1.99	25 x 30	0.86	1.99	30 x 20	0.82	1.99						
120	121				22 x 40	0.98	1.659	25 x 30	0.94	1.659	30 x 30	1.04	1.66	35 x 25	1.07	1.659			
150	151				22 x 45	1.16	1.327	25 x 35	1.12	1.327	30 x 30	1.17	1.33	35 x 25	1.2	1.327			
180	181				22 x 50	1.33	1.106	25 x 40	1.3	1.106	30 x 30	1.28	1.11	35 x 20	1.21	1.106			
220	221										30 x 35	1.51	0.91	35 x 30	1.55	0.905			
270	271										30 x 40	1.77	0.74	35 x 35	1.83	0.737			
330	331										30 x 50	2.15	0.6	35 x 35	2.03	0.603			
390	391													35 x 45	2.44	0.61			
470	471													35 x 50	2.8	0.423			
560	561													35 x 60	3.37	0.355	40 x 50	3.31	0.355
680	681													35 x 70	3.91	0.293	40 x 55	3.79	0.293
820	821													35 x 80	4.56	0.243	40 x 60	4.33	0.243
1,000	102													35 x 90	5.31	0.199	40 x 80	5.42	0.199
1,500	152																40 x 100	6.56	0.133

### ■ DIMENSIONS AND PERMISSIBLE RIPPLE CURRENT

Dimension: D x L (mm), Ripple Current: A/rms at 120Hz, 85°C, ESR at 120Hz, 20°C



Items below available only in 4 Terminal Types (L4)

WV μF	D	160V(2C)				200V(2D)				250V(2E)			
		35		40		35		40		35		40	
1,500												40 x 40	4.04
1,800										35 x 70	4.60	40 x 50	4.5
2,200								40 x 40	4.92	35 x 80	4.90	40 x 60	4.90
2,700						35 x 70	5.40	40 x 50	5.00	35 x 90	5.40	40 x 80	6.30
3,300	35 x 70	4.80	40 x 60	5.00	35 x 80	5.90	40 x 60	5.90	35 x 90	6.10	40 x 80	7.00	
3,900	35 x 80	5.40	40 x 70	5.60	35 x 80	6.30	40 x 80	6.40	35 x 100	7.47	40 x 90	8.00	
4,700			40 x 80	6.60	35 x 90	7.10	40 x 80	7.38			40 x 100	8.88	
5,600					35 x 100	8.90	40 x 90	8.00					
6,800							40 x 100	8.65					

WV μF	D	400V(2G)				420V(2P)				450V(2W)			
		35		40		35		40		35		40	
680		35 x 60	3.70	40 x 50	3.7	35 x 60	3.7	40 x 50	3.7	35 x 70	4.0	40 x 50	3.7
820		35 x 60	4.10	40 x 50	4.0	35 x 70	4.4	40 x 60	4.3	35 x 80	4.6	40 x 60	4.3
1,000		35 x 70	4.80	40 x 60	4.8	35 x 80	5.1	40 x 60	4.8	35 x 100	5.6	40 x 70	5.1
1,200		35 x 100	6.10	40 x 70	5.5			40 x 70	5.5			40 x 80	5.8
1,500		35 x 100	6.80	40 x 80	6.5			40 x 100	7.2			40 x 100	7.2
1,800				40 x 100	7.8			40 x 100	7.8				