

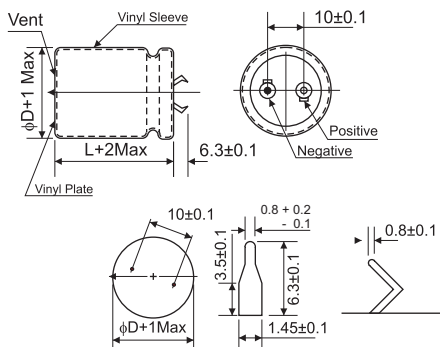
FEATURES

- Has a snap-in terminal which can solder to PCB directly and need not fixture to save processing time.
- Suitable for electronic equipment with medium-high voltage circuits. Printed circuit board terminal snap-in type and lug terminal type available.
- 3,000 Hour Life

SPECIFICATIONS

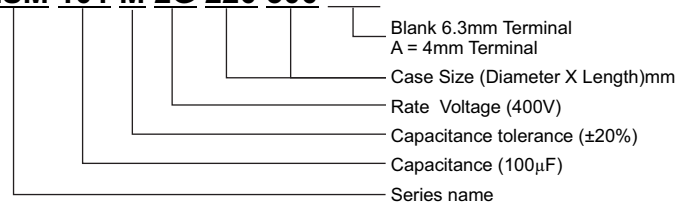
Items	Performance																																														
Operating Temperature Range	16V ~ 100V	160V ~ 500V																																													
	-40°C ~ +105°C	-25°C ~ +105°C																																													
Capacitance Tolerance	±20% (at 120Hz, 20°C)																																														
Leakage Current (at 20°C)	I = 3 √CV or 1.5 mA whichever is smaller (after 5 minutes) Where, C= rated capacitance in μF. V= rated DC rated voltage in V.																																														
Dissipation Factor (Tanδ at 120Hz, 20°C)	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>16</th><th>25</th><th>35</th><th>50</th><th>63</th><th>80</th><th>100</th><th>160</th><th>200</th><th>250</th><th>350</th><th>400</th><th>420</th><th>450</th><th>500</th> </tr> </thead> <tbody> <tr> <td>Tanδ (max)</td> <td>0.50</td><td>0.45</td><td>0.40</td><td>0.35</td><td>0.30</td><td>0.25</td><td>0.20</td><td>0.10*</td><td>0.10*</td><td>0.10*</td><td>0.15</td><td>0.15</td><td>0.15</td><td>0.15</td><td>0.15</td> </tr> </tbody> </table>														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	0.10*	0.10*	0.10*	0.15	0.15	0.15	0.15	0.15	
	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	0.10*	0.10*	0.10*	0.15	0.15	0.15	0.15	0.15																																
*: 0.15 for D = 35mm																																															
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																																														
	Impedance Ratio	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>16</th><th>25</th><th>35</th><th>50</th><th>63</th><th>80</th><th>100</th><th>160</th><th>200</th><th>250</th><th>350</th><th>400</th><th>420</th><th>450</th><th>500</th> </tr> </thead> <tbody> <tr> <td>Z (-25°C)/Z (+20°C)</td> <td>4</td><td>3</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>4</td><td>4</td><td>4</td><td>4</td><td>8</td><td>8</td><td>8</td><td>8</td> </tr> </tbody> </table>														Rated Voltage	16	25	35	50	63	80	100	160	200	250	350	400	420	450	500	Z (-25°C)/Z (+20°C)	4	3	3	2	2	2	2	4	4	4	4	8	8	8	8
		Rated Voltage	16	25	35	50	63	80	100	160	200	250	350	400	420	450	500																														
Z (-25°C)/Z (+20°C)	4	3	3	2	2	2	2	4	4	4	4	8	8	8	8																																
Z (-40°C)/Z (+20°C)	15	10	8	6	6	6	5	--	--	--	--	--	--	--	--																																
Endurance	Test Time		3,000 hours																																												
	Capacitance Change		Within ±20% of initial value																																												
	Tan δ		Less than 200% of specified value																																												
	Leakage Current		Within specified value																																												
	** The above specifications shall be satisfied when the capacitors are restored at 20°C after the rated voltage applied with rated ripple current for 3,000 hours at 105°C																																														
Shelf Life Test	Test Time		1,000 hours																																												
	Capacitance Change		Within ±20% of initial value																																												
	Tan δ		Less than 150% of specified value																																												
	Leakage Current		Within specified value																																												
	** The above specifications shall be satisfied when the capacitors are restored at 20°C after exposing them for 1,000 hours at 105°C without voltage applied. The rated voltage shall be applied to the capacitors before the measurements.																																														
Ripple Current & Frequency Multipliers	Frequency (Hz)		50 / 60		100 / 120		300		1k		10k up																																				
	Multiplier		0.8		1.0		1.1		1.3		1.4																																				
Failure percentage Failure rate	When the failure percentage / failure rate is required, please contact with us for further discussion.																																														

SNAP-IN TERMINAL TYPE



PART NUMBER EXAMPLE

LSM 101 M 2G 220 300



DIMENSIONS & PERMISSABLE RIPPLE CURRENT

Rated Voltage (Vdc)	Capacitance 120Hz, 20°C (μF)	D x L (mm)	Ripple Current 120Hz, 105°C (A/rms)	Tan δ at 120Hz, 20°C	ESR 120Hz, 20°C (Ω)	LC 5 minutes (mA)
16	4,700	22 x 25	1.30	0.50	0.141	0.82
		22 x 35	1.80	0.50	0.098	0.99
	6,800	25 x 30	1.80	0.50	0.098	0.99
		22 x 45	2.34	0.50	0.066	1.20
		25 x 35	2.25	0.50	0.066	1.20
	10,000	30 x 25	2.19	0.50	0.066	1.20
		25 x 45	2.83	0.50	0.044	1.47
		30 x 35	2.82	0.50	0.044	1.47
	15,000	35 x 30	2.82	0.50	0.440	1.47
		30 x 45	3.13	0.50	0.030	1.50
35 x 35		3.09	0.50	0.030	1.50	
25	3,300	22 x 25	1.25	0.45	0.181	0.86
		22 x 30	1.61	0.45	0.127	1.03
	4,700	25 x 25	1.61	0.45	0.127	1.03
		22 x 35	1.91	0.45	0.088	1.24
		25 x 30	1.91	0.45	0.088	1.24
	6,800	30 x 25	1.91	0.45	0.088	1.24
		22 x 45	2.51	0.45	0.060	1.50
		25 x 40	2.42	0.45	0.060	1.50
	10,000	30 x 30	2.42	0.45	0.060	1.50
		35 x 25	2.42	0.45	0.060	1.50
		25 x 45	3.12	0.45	0.040	1.50
		30 x 35	3.11	0.45	0.040	1.50
	15,000	35 x 30	3.11	0.45	0.040	1.50
		30 x 45	3.85	0.45	0.027	1.50
		35 x 40	3.85	0.45	0.027	1.50
	35	2,200	22 x 25	1.14	0.40	0.241
25 x 25			1.51	0.40	0.241	0.83
3,300		22 x 30	1.51	0.40	0.161	1.02
		25 x 30	1.92	0.40	0.161	1.02
4,700		22 x 35	1.92	0.40	0.113	1.22
		25 x 40	2.31	0.40	0.113	1.22
		30 x 25	1.92	0.40	0.113	1.22
6,800		22 x 45	2.31	0.40	0.078	1.46
		25 x 45	2.87	0.40	0.078	1.46
		30 x 30	2.33	0.40	0.078	1.46
		35 x 25	2.33	0.40	0.078	1.46
10,000		30 x 35	2.87	0.40	0.053	1.50
		35 x 30	2.87	0.40	0.053	1.50
15,000		30 x 45	3.66	0.40	0.035	1.50
		35 x 40	3.66	0.40	0.035	1.50
22,000		35 x 45	4.53	0.40	0.024	1.50
50	1,500	22 x 25	1.22	0.35	0.310	0.82
		22 x 30	1.59	0.35	0.211	0.99
	2,200	25 x 25	1.59	0.35	0.211	0.99
		22 x 35	1.93	0.35	0.141	1.22
	3,300	25 x 30	1.88	0.35	0.141	1.22
		30 x 25	1.88	0.35	0.141	1.22

DIMENSIONS & PERMISSABLE RIPPLE CURRENT (CONTINUE)

Rated Voltage (Vdc)	Capacitance 120Hz, 20°C (μF)	D x L (mm)	Ripple Current 120Hz, 105°C (A/rms)	Tan δ at 120Hz, 20°C	ESR 120Hz, 20°C (Ω)	LC 5 minutes (mA)	
50 (continue)	4,700	22 x 45	2.43	0.35	0.099	1.45	
		25 x 35	2.34	0.35	0.099	1.45	
		30 x 30	2.42	0.35	0.099	1.45	
		35 x 25	2.42	0.35	0.099	1.45	
	6,800	25 x 45	3.10	0.35	0.068	1.50	
		30 x 35	3.10	0.35	0.068	1.50	
		35 x 30	3.10	0.35	0.068	1.50	
	10,000	30 x 45	4.18	0.35	0.046	1.50	
35 x 40		4.20	0.35	0.046	1.50		
63	1,000	20 x 20	0.90	0.30	0.398	0.75	
		22 x 20	0.90	0.30	0.398	0.75	
	1,200	20 x 25	1.08	0.30	0.332	0.82	
		22 x 20	1.05	0.30	0.332	0.82	
	1,500	20 x 30	1.31	0.30	0.265	0.92	
		22 x 25	1.28	0.30	0.265	0.92	
		25 x 20	1.27	0.30	0.265	0.92	
	2,200	20 x 35	1.70	0.30	0.181	1.12	
		22 x 35	1.78	0.30	0.181	1.12	
		25 x 25	1.60	0.30	0.181	1.12	
		30 x 25	1.78	0.30	0.181	1.12	
	2,700	20 x 40	1.82	0.30	0.147	1.24	
		22 x 35	1.81	0.30	0.147	1.24	
		25 x 30	1.83	0.30	0.147	1.24	
		30 x 25	1.89	0.30	0.147	1.24	
	3,300	20 x 45	2.00	0.30	0.121	1.37	
		22 x 40	2.00	0.30	0.121	1.37	
		25 x 35	2.03	0.30	0.121	1.37	
		30 x 25	1.81	0.30	0.121	1.37	
		35 x 25	2.03	0.30	0.121	1.37	
	3,900	20 x 50	2.16	0.30	0.102	1.49	
		22 x 50	2.37	0.30	0.102	1.49	
		25 x 40	2.22	0.30	0.102	1.49	
		30 x 30	2.19	0.30	0.102	1.49	
		35 x 25	2.24	0.30	0.102	1.49	
	4,700	25 x 45	2.56	0.30	0.085	1.50	
		30 x 35	2.66	0.30	0.085	1.50	
		35 x 25	2.46	0.30	0.085	1.50	
	5,600	25 x 50	2.93	0.30	0.071	1.50	
		30 x 35	2.79	0.30	0.071	1.50	
		35 x 30	2.88	0.30	0.071	1.50	
	6,800	30 x 40	3.25	0.30	0.059	1.50	
		35 x 35	3.26	0.30	0.059	1.50	
		35 x 40	3.49	0.30	0.059	1.50	
	8,200	35 x 40	3.52	0.30	0.049	1.50	
	80	1,000	22 x 25	1.05	0.25	0.332	0.85
			25 x 20	1.04	0.25	0.332	0.85
		1,200	20 x 30	1.17	0.25	0.276	0.93
			22 x 30	1.24	0.25	0.276	0.93
			25 x 25	1.24	0.25	0.276	0.93

DIMENSIONS & PERMISSABLE RIPPLE CURRENT (CONTINUE)

Rated Voltage (Vdc)	Capacitance 120Hz, 20°C (μF)	D x L (mm)	Ripple Current 120Hz, 105°C (A/rms)	Tan δ at 120Hz, 20°C	ESR 120Hz, 20°C (Ω)	LC 5 minutes (mA)	
80 (continue)	1,500	20 x 40	1.49	0.25	0.221	1.04	
		22 x 35	1.54	0.25	0.221	1.04	
		25 x 30	1.54	0.25	0.221	1.04	
		30 x 25	1.61	0.25	0.221	1.04	
	2,200	2,200	20 x 50	1.94	0.25	0.151	1.26
			22 x 45	1.95	0.25	0.151	1.26
			25 x 35	1.94	0.25	0.151	1.26
			30 x 30	2.05	0.25	0.151	1.26
	3,300	3,300	35 x 25	2.10	0.25	0.151	1.26
			25 x 50	2.25	0.25	0.101	1.50
			30 x 35	2.24	0.25	0.101	1.50
	4,700	4,700	35 x 30	2.30	0.25	0.101	1.50
30 x 45			2.84	0.25	0.071	1.50	
35 x 35	4,700	35 x 35	2.80	0.25	0.071	1.50	
100	1,000	20 x 35	1.28	0.20	0.265	0.95	
		22 x 30	1.36	0.20	0.265	0.95	
		25 x 25	1.36	0.20	0.265	0.95	
	1,200	1,200	20 x 40	1.49	0.20	0.221	1.04
			22 x 35	1.48	0.20	0.221	1.04
			25 x 30	1.49	0.20	0.221	1.04
	1,500	1,500	20 x 45	1.75	0.20	0.177	1.16
			22 x 40	1.82	0.20	0.177	1.16
			25 x 35	1.85	0.20	0.177	1.16
			30 x 25	1.80	0.20	0.177	1.16
	2,200	2,200	25 x 45	2.50	0.20	0.121	1.41
			30 x 35	2.50	0.20	0.121	1.41
			35 x 30	2.50	0.20	0.121	1.41
	2,700	2,700	25 x 50	2.70	0.20	0.098	1.50
			30 x 40	2.72	0.20	0.098	1.50
			35 x 35	2.82	0.20	0.098	1.50
	3,300	3,300	30 x 45	3.11	0.20	0.080	1.50
			35 x 35	3.07	0.20	0.080	1.50
	3,900	3,900	30 x 50	3.40	0.20	0.068	1.50
			35 x 40	3.38	0.20	0.068	1.50
4,700	4,700	35 x 45	3.90	0.20	0.056	1.50	
160	180	20 x 20	0.61	0.10	0.737	0.51	
	220	20 x 25	0.73	0.10	0.603	0.56	
		22 x 20	0.71	0.10	0.603	0.56	
	270	20 x 25	0.81	0.10	0.491	0.62	
		25 x 20	0.85	0.10	0.491	0.62	
	330	330	20 x 30	0.97	0.10	0.402	0.69
			22 x 25	0.98	0.10	0.402	0.69
			25 x 20	0.94	0.10	0.402	0.69
	390	390	20 x 30	1.06	0.10	0.340	0.75
			22 x 25	1.03	0.10	0.340	0.75
			25 x 25	1.09	0.10	0.340	0.75
	470	470	20 x 35	1.17	0.10	0.282	0.82
22 x 30			1.21	0.10	0.282	0.82	
25 x 25			1.19	0.10	0.282	0.82	

DIMENSIONS & PERMISSABLE RIPPLE CURRENT (CONTINUE)

Rated Voltage (Vdc)	Capacitance 120Hz, 20°C (μF)	D x L (mm)	Ripple Current 120Hz, 105°C (A/rms)	Tan δ at 120Hz, 20°C	ESR 120Hz, 20°C (Ω)	LC 5 minutes (mA)
160 (continue)	560	20 x 40	1.35	0.10	0.237	0.90
		22 x 35	1.40	0.10	0.237	0.90
		25 x 30	1.40	0.10	0.237	0.90
		30 x 25	1.40	0.10	0.237	0.90
	680	20 x 45	1.57	0.10	0.195	0.99
		22 x 40	1.62	0.10	0.195	0.99
		25 x 35	1.61	0.10	0.195	0.99
		30 x 25	1.54	0.10	0.195	0.99
	820	22 x 45	1.86	0.10	0.162	1.09
		25 x 40	1.86	0.10	0.162	1.09
		30 x 30	1.79	0.10	0.162	1.09
		35 x 25	1.79	0.15	0.243	1.09
	1,000	22 x 50	2.18	0.10	0.133	1.20
		25 x 45	2.15	0.10	0.133	1.20
		30 x 35	2.09	0.10	0.133	1.20
		35 x 25	1.98	0.15	0.199	1.20
	1,200	25 x 50	2.35	0.10	0.111	1.31
		30 x 40	2.35	0.10	0.111	1.31
		35 x 30	2.29	0.15	0.166	1.31
	1,500	30 x 35	2.56	0.10	0.088	1.47
35 x 35		2.72	0.15	0.133	1.47	
1,800	30 x 45	2.97	0.10	0.074	1.50	
	35 x 40	3.09	0.15	0.111	1.50	
2,200	30 x 60	3.48	0.10	0.060	1.50	
	35 x 50	3.51	0.15	0.090	1.50	
2,700	35 x 55	4.05	0.15	0.074	1.50	
200	180	22 x 20	0.70	0.10	0.737	0.57
	220	20 x 25	0.80	0.10	0.603	0.63
		25 x 20	0.84	0.10	0.603	0.63
	270	20 x 30	0.96	0.10	0.491	0.70
		22 x 25	1.03	0.10	0.491	0.70
	330	22 x 30	1.21	0.10	0.402	0.77
	390	20 x 35	1.24	0.10	0.340	0.84
		22 x 35	1.39	0.10	0.340	0.84
		25 x 25	1.31	0.10	0.340	0.84
	470	20 x 40	1.44	0.10	0.282	0.84
		22 x 35	1.52	0.10	0.282	0.92
		25 x 30	1.52	0.10	0.282	0.92
	560	20 x 50	1.74	0.10	0.237	0.92
		22 x 40	1.66	0.10	0.237	1.00
		25 x 35	1.75	0.10	0.237	1.00
		30 x 25	1.64	0.10	0.237	1.00
	680	22 x 45	2.04	0.10	0.195	1.11
		25 x 40	2.04	0.10	0.195	1.11
		30 x 30	1.96	0.10	0.195	1.11
	820	25 x 45	2.34	0.10	0.162	1.21
30 x 35		2.27	0.10	0.162	1.21	
35 x 25		1.99	0.15	0.243	1.21	

DIMENSIONS & PERMISSABLE RIPPLE CURRENT (CONTINUE)

Rated Voltage (Vdc)	Capacitance 120Hz, 20°C (μF)	D x L (mm)	Ripple Current 120Hz, 105°C (A/rms)	Tan δ at 120Hz, 20°C	ESR 120Hz, 20°C (Ω)	LC 5 minutes (mA)
200 (continue)	1,000	25 x 50	2.26	0.10	0.133	1.34
		30 x 40	2.63	0.10	0.133	1.34
		35 x 30	2.51	0.15	0.199	1.34
	1,200	30 x 45	3.00	0.10	0.111	1.47
		35 x 35	2.92	0.15	0.166	1.47
	1,500	30 x 50	3.36	0.10	0.088	1.50
		35 x 40	3.34	0.15	0.133	1.50
	1,800	30 x 60	3.64	0.10	0.074	1.50
		35 x 45	3.51	0.15	0.111	1.50
	2,200	35 x 55	4.01	0.15	0.090	1.50
250	180	22 x 25	0.77	0.10	0.737	0.64
	220	20 x 30	0.87	0.10	0.603	0.70
	270	20 x 35	1.03	0.10	0.491	0.78
		22 x 30	1.02	0.10	0.491	0.78
		25 x 25	1.08	0.10	0.491	0.78
	330	20 x 40	1.21	0.10	0.402	0.86
		22 x 35	1.20	0.10	0.402	0.86
		25 x 30	1.27	0.10	0.402	0.86
	390	20 x 50	1.45	0.10	0.340	0.94
		22 x 40	1.38	0.10	0.340	0.94
		25 x 35	1.46	0.10	0.340	0.94
		30 x 25	1.39	0.10	0.340	0.94
	470	22 x 45	1.46	0.10	0.282	1.03
		25 x 40	1.69	0.10	0.282	1.03
		30 x 30	1.63	0.10	0.282	1.03
	560	25 x 45	1.93	0.10	0.237	1.12
		35 x 25	1.78	0.15	0.355	1.12
	680	25 x 50	2.04	0.10	0.195	1.24
		30 x 35	2.06	0.10	0.195	1.24
		35 x 30	2.06	0.15	0.293	1.24
	820	30 x 45	2.48	0.10	0.162	1.36
		35 x 35	2.41	0.15	0.243	1.36
	1,000	30 x 50	2.65	0.10	0.133	1.50
		35 x 40	2.76	0.15	0.199	1.50
1,200	30 x 60	3.15	0.10	0.111	1.50	
	35 x 45	3.14	0.15	0.166	1.50	
1,800	35 x 60	3.97	0.15	0.111	1.50	
350	100	20 x 30	0.53	0.15	1.990	0.56
		22 x 25	0.52	0.15	1.990	0.56
		25 x 20	0.52	0.15	1.990	0.56
	120	20 x 35	0.63	0.15	1.659	0.61
		22 x 30	0.62	0.15	1.659	0.61
		25 x 25	0.65	0.15	1.659	0.61
	150	20 x 40	0.74	0.15	1.327	0.69
		22 x 35	0.74	0.15	1.327	0.69

DIMENSIONS & PERMISSABLE RIPPLE CURRENT (CONTINUE)

Rated Voltage (Vdc)	Capacitance 120Hz, 20°C (μF)	D x L (mm)	Ripple Current 120Hz, 105°C (A/rms)	Tan δ at 120Hz, 20°C	ESR 120Hz, 20°C (Ω)	LC 5 minutes (mA)
350 (continue)	180	20 x 45	0.81	0.15	1.106	0.75
		22 x 40	0.81	0.15	1.106	0.75
		25 x 30	0.77	0.15	1.106	0.75
		30 x 25	0.80	0.15	1.106	0.75
	220	20 x 50	0.94	0.15	0.905	0.83
		22 x 45	0.94	0.15	0.905	0.83
		25 x 35	0.91	0.15	0.905	0.83
	270	22 x 50	1.09	0.15	0.737	0.92
		25 x 40	1.06	0.15	0.737	0.92
		30 x 30	1.05	0.15	0.737	0.92
		35 x 25	1.08	0.15	0.737	0.92
	330	25 x 45	1.24	0.15	0.603	1.02
		30 x 35	1.24	0.15	0.603	1.02
		35 x 30	1.33	0.15	0.603	1.02
	390	30 x 40	1.42	0.15	0.510	1.11
		35 x 30	1.39	0.15	0.510	1.11
	470	30 x 45	1.56	0.15	0.423	1.22
		35 x 35	1.53	0.15	0.423	1.22
	560	30 x 50	1.78	0.15	0.355	1.33
		35 x 40	1.77	0.15	0.355	1.33
680	30 x 60	1.94	0.15	0.293	1.46	
	35 x 50	1.95	0.15	0.293	1.46	
820	35 x 55	2.23	0.15	0.243	1.50	
400	56	22 x 20	0.41	0.15	3.554	0.45
	68	22 x 25	0.52	0.15	2.927	0.49
		25 x 20	0.49	0.15	2.927	0.49
	82	20 x 30	0.54	0.15	2.427	0.54
	100	20 x 35	0.64	0.15	1.990	0.60
		22 x 30	0.67	0.15	1.990	0.60
	120	20 x 40	0.74	0.15	1.659	0.66
		22 x 35	0.78	0.15	1.659	0.66
		25 x 25	0.69	0.15	1.659	0.66
	150	20 x 45	0.87	0.15	1.327	0.73
		22 x 40	0.91	0.15	1.327	0.73
		25 x 30	0.83	0.15	1.327	0.73
		30 x 25	0.86	0.15	1.327	0.73
	180	22 x 45	1.04	0.15	1.106	0.80
		25 x 35	0.97	0.15	1.106	0.80
	220	22 x 50	1.17	0.15	0.905	0.89
		25 x 40	1.14	0.15	0.905	0.89
		30 x 30	1.12	0.15	0.905	0.89
		35 x 25	1.15	0.15	0.905	0.89
	270	25 x 50	1.40	0.15	0.737	0.99
		30 x 35	1.31	0.15	0.737	0.99
		35 x 30	1.31	0.15	0.737	0.99
	330	30 x 40	1.39	0.15	0.603	1.09
		35 x 30	1.34	0.15	0.603	1.09
	390	30 x 45	1.49	0.15	0.510	1.18
		35 x 35	1.47	0.15	0.510	1.18

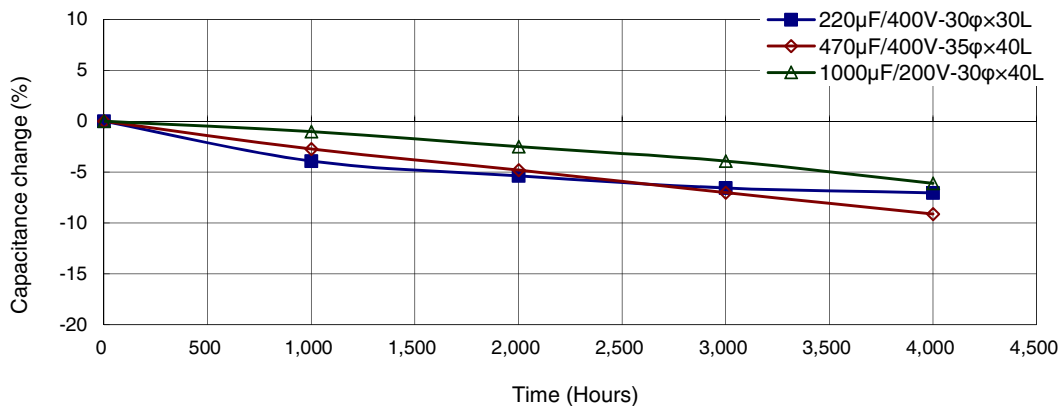
DIMENSIONS & PERMISSABLE RIPPLE CURRENT (CONTINUE)

Rated Voltage (Vdc)	Capacitance 120Hz, 20°C (μF)	D x L (mm)	Ripple Current 120Hz, 105°C (A/rms)	Tan δ at 120Hz, 20°C	ESR 120Hz, 20°C (Ω)	LC 5 minutes (mA)
400 (continue)	470	30 x 50	1.72	0.15	0.423	1.30
		35 x 40	1.71	0.15	0.423	1.30
	560	30 x 60	2.03	0.15	0.355	1.42
		35 x 45	2.23	0.15	0.355	1.42
	680	35 x 55	2.31	0.15	0.293	1.50
820	35 x 60	2.54	0.15	0.243	1.50	
420	56	20 x 25	0.41	0.15	3.554	0.46
		22 x 20	0.40	0.15	3.554	0.46
	68	20 x 30	0.49	0.15	2.927	0.51
		22 x 25	0.48	0.15	2.927	0.51
	82	20 x 30	0.54	0.15	2.427	0.56
		22 x 25	0.53	0.15	2.427	0.56
	100	20 x 35	0.64	0.15	1.990	0.61
		22 x 30	0.63	0.15	1.990	0.61
		25 x 25	0.63	0.15	1.990	0.61
	120	20 x 40	0.74	0.15	1.659	0.67
		22 x 35	0.74	0.15	1.659	0.67
		25 x 30	0.78	0.15	1.659	0.67
	150	20 x 50	0.92	0.15	1.327	0.75
		22 x 40	0.87	0.15	1.327	0.75
		30 x 25	0.80	0.15	1.327	0.75
	180	22 x 45	0.93	0.15	1.106	0.82
		25 x 35	0.90	0.15	1.106	0.82
		30 x 30	0.98	0.15	1.106	0.82
	220	25 x 45	1.01	0.15	0.905	0.91
		30 x 35	1.05	0.15	0.905	0.91
		35 x 25	0.97	0.15	0.905	0.91
	270	25 x 50	1.17	0.15	0.737	1.01
		30 x 40	1.22	0.15	0.737	1.01
		35 x 30	1.15	0.15	0.737	1.01
	330	30 x 45	1.37	0.15	0.603	1.12
		35 x 35	1.35	0.15	0.603	1.12
	390	30 x 50	1.56	0.15	0.510	1.21
		35 x 40	1.55	0.15	0.510	1.21
470	30 x 60	1.76	0.15	0.423	1.33	
	35 x 45	1.70	0.15	0.423	1.33	
560	35 x 50	1.94	0.15	0.355	1.45	
680	35 x 60	2.31	0.15	0.293	1.50	
450	56	20 x 25	0.41	0.15	3.554	0.48
	82	20 x 30	0.54	0.15	2.427	0.58
		25 x 25	0.57	0.15	2.427	0.58
	100	20 x 45	0.71	0.15	1.990	0.64
		22 x 35	0.67	0.15	1.990	0.64
	120	20 x 50	0.82	0.15	1.659	0.70
		22 x 40	0.78	0.15	1.659	0.70
25 x 30		0.74	0.15	1.659	0.70	
		30 x 25	0.77	0.15	1.659	0.70

DIMENSIONS & PERMISSABLE RIPPLE CURRENT (CONTINUE)

Rated Voltage (Vdc)	Capacitance 120Hz, 20°C (µF)	D x L (mm)	Ripple Current 120Hz, 105°C (A/rms)	Tan δ at 120Hz, 20°C	ESR 120Hz, 20°C (Ω)	LC 5 minutes (mA)
450 (continue)	150	22 x 45	0.92	0.15	1.327	0.78
		25 x 35	0.89	0.15	1.327	0.78
		30 x 30	0.93	0.15	1.327	0.78
		35 x 25	0.95	0.15	1.327	0.78
	180	22 x 50	1.06	0.15	1.106	0.85
		25 x 40	1.03	0.15	1.106	0.85
		30 x 30	1.01	0.15	1.106	0.85
		35 x 25	1.04	0.15	1.106	0.85
	220	25 x 45	1.18	0.15	0.905	0.94
		30 x 35	1.18	0.15	0.905	0.94
		35 x 30	1.22	0.15	0.905	0.94
	270	30 x 40	1.17	0.15	0.737	1.05
	330	30 x 50	1.42	0.15	0.603	1.16
		35 x 35	1.64	0.15	0.603	1.16
390	35 x 40	1.74	0.15	0.510	1.26	
470	35 x 50	1.85	0.15	0.423	1.38	
560	35 x 50	2.02	0.15	0.355	1.50	
500	82	22 x 35	0.68	0.15	2.427	0.61
		25 x 32	0.85	0.15	2.540	0.82
	100	22 x 40	0.79	0.15	1.990	0.67
		25 x 40	0.85	0.15	1.990	0.67
		30 x 35	1.20	0.15	1.990	0.67
	120	22 x 45	0.91	0.15	1.659	0.73
		25 x 45	0.98	0.15	1.659	0.73
	150	22 x 50	1.07	0.15	1.327	0.82
		25 x 55	1.20	0.15	1.327	0.82
	220	30 x 40	1.40	0.15	0.905	0.99
	270	35 x 35	1.61	0.15	0.737	1.10
	330	35 x 40	1.88	0.15	0.603	1.22
390	35 x 45	2.15	0.15	0.510	1.32	

CHARACTERISTICS CURVES



■ CHARACTERISTICS CURVES

