



●低インピーダンス品 LWYシリーズ

JIS C 5101
CE-04

●LOW-IMPEDANCE TYPE

TYPE LWY

JIS C 5101
CE-04

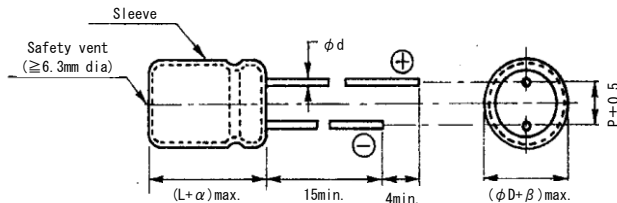
■特徴

- ・高周波超低インピーダンスを実現。
- ・105°C 6,000~10,000時間を保証。
- ・基板洗浄タイプではありません。

■FEATURES

- ・This product is Ultra-low-impedance for high-frequency.
- ・This product is the guaranteed service life of 6,000~10,000 hours at 105°C.
- ・Not washable product.

■寸法図/DIAGRAM OF DIMENSIONS



ΦD	5	6.3	8	10	12.5		16	18
					L<35	L≥35		
F	2	2.5	3.5	5.0	5.0	5.0	7.5	7.5
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8
α	1.5	1.5	1.5	1.5	≤35L:1.5, ≥40L:2.0		1.5	1.5
β	0.5							

■性能/PERFORMANCE SPECIFICATIONS

カテゴリ温度範囲	CATEGORY TEMPERATURE RANGE	-40 ~ +105°C																				
標準静電容量許容差	STANDARD CAPACITANCE TOLERANCE	-20 ~ +20%																				
漏れ電流 (最大値)	LEAKAGE CURRENT(MAX.VALUE)	I=0.01CV OR 3μA WHICHEVER C=RATED CAPACITANCE(μF) IS THE GREATER (after 2 minu V=WORKING VOLTAGE(V))																				
損失角の正接 (最大値) (tan δ)	DISSIPATION FACTOR(MAX.VALUE) (tan δ)	<table border="1"> <tr> <th>W.V</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> </tr> <tr> <td>tan δ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.09</td> <td>0.08</td> </tr> </table> <p>When the capacitance exceed 1,000 μF,the value of tan δ is increased by 0.02 for each increment of 1,000 μF or its fraction.</p>	W.V	6.3	10	16	25	35	50	63	80	100	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.09	0.08
W.V	6.3	10	16	25	35	50	63	80	100													
tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.09	0.08													
耐久性 105°C 10,000時間 定格使用電圧印加 (φD≤6.3:6000時間, φ8:8000時間)	ENDURANCE APPLICATION OF RATED OPERATING VOLTAGE,AT 105°C FOR 10,000HOURS. (φD≤6.3: 6000Hr, φ8: 8000Hr)	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of the initial specification value</td> </tr> <tr> <td>Leakage Current</td> <td>Less than the initial specification value</td> </tr> </table>	Capacitance Change	Within ±25% of the initial value	Dissipation Factor	Less than 200% of the initial specification value	Leakage Current	Less than the initial specification value														
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Leakage Current	Less than the initial specification value																					
高温無負荷特性 電圧を印加しないで 105°C 1,000時間放置	ENDURANCE APPLICATION OF WITHOUT VOLTAGE FOR 1,000HOURS.	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of the initial specification value</td> </tr> <tr> <td>Leakage Current</td> <td>Less than 200% of the initial specification value</td> </tr> </table>	Capacitance Change	Within ±25% of the initial value	Dissipation Factor	Less than 200% of the initial specification value	Leakage Current	Less than 200% of the initial specification value														
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その他の特性はJIS C 5101-4に準ずる	THE OTHER CHARACTERISTICS	THE OTHER CHARACTERISTICS ARE BASED ON JIS C 5101-4.																				

■定格リップル電流補正係数

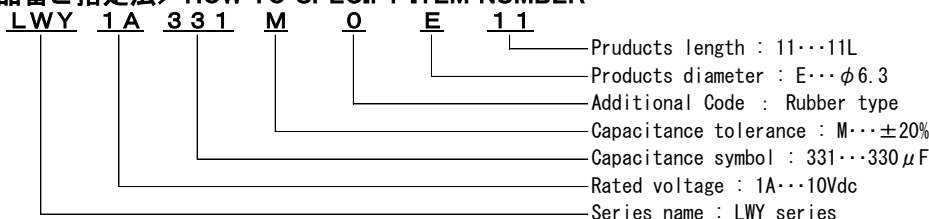
リップル周波数が標準品一覧表の規定値と異なる場合には、下表の係数を乗じた値以下でご使用下さい。

When the ripple frequency differs from the spicification shown in the list of standard products, multiply the value with the coefficient shown below, and use the products under the obtained value.

周波数補正係数/FREQUENCY CORRECTION FACTOR

Cap.(μF)	Frequency (Hz)			
	120	1K	10K	100K
10~180	0.40	0.75	0.90	1.00
220~560	0.50	0.85	0.94	1.00
680~1800	0.60	0.87	0.95	1.00
2200~3900	0.75	0.90	0.95	1.00
4700~18000	0.85	0.95	0.98	1.00

■品番ご指定法/HOW TO SPECIFY ITEM NUMBER





ELECTROLYTIC CAPACITORS

東信工業株式会社

■寸法表/CASE SIZE TABLE

■Impedance[Max.Value Ω] at 20°C 100kHz

■Ripple Current [Max. value mA] at 105°C 100kHz

W.V (Vdc)	Cap. (μF)	φ D × L (mm)	Impedance	Ripple Current	Part No.
6.3	100	5 × 11	0.650	155	LWY0J101MOD11
	150	5 × 11	0.580	210	LWY0J151MOD11
	220	6.3 × 11	0.400	255	LWY0J221M0E11
	330	6.3 × 11	0.220	340	LWY0J331M0E11
	470	8 × 11.5	0.180	400	LWY0J471MFF11
	680	8 × 11.5	0.130	640	LWY0J681MFF11
	820	10 × 12.5	0.080	865	LWY0J821MFG12
	1000	8 × 15	0.087	840	LWY0J102MFF15
	1200	8 × 20	0.069	1050	LWY0J122MFF20
	1200	10 × 16	0.060	1210	LWY0J122MFG16
	1500	10 × 20	0.046	1400	LWY0J152MFG20
	1800	12.5 × 16	0.049	1450	LWY0J182MFH16
	2200	10 × 25	0.042	1650	LWY0J222MFG25
	2700	10 × 30	0.031	1910	LWY0J272MFG30
	3300	12.5 × 20	0.035	1900	LWY0J332MFH20
	3900	12.5 × 25	0.027	2230	LWY0J392MFH25
	4700	12.5 × 30	0.024	2650	LWY0J472MFH30
	5600	16 × 20	0.027	2530	LWY0J562MFK20
	6800	16 × 25	0.021	2930	LWY0J682MFK25
	6800	18 × 20	0.026	2860	LWY0J682MFM20
8200	16 × 31.5	0.017	3450	LWY0J822MFK30	
10000	16 × 35.5	0.015	3610	LWY0J103MFK35	
10000	18 × 25	0.019	3140	LWY0J103MFM25	
12000	16 × 40	0.013	4080	LWY0J123MFK40	
12000	18 × 31.5	0.015	4170	LWY0J123MFM30	
15000	18 × 35.5	0.014	4220	LWY0J153MFM35	
18000	18 × 40	0.012	4280	LWY0J183MFM40	
10	100	5 × 11	0.580	210	LWY1A101MOD11
	150	5 × 11	0.400	255	LWY1A151MOD11
	220	6.3 × 11	0.220	340	LWY1A221M0E11
	330	6.3 × 11	0.180	400	LWY1A331M0E11
	470	8 × 11.5	0.130	640	LWY1A471MFF11
	680	8 × 15	0.087	840	LWY1A681MFF15
	820	10 × 12.5	0.085	875	LWY1A821MFG12
	1000	8 × 20	0.069	1050	LWY1A102MFF20
	1200	10 × 20	0.046	1400	LWY1A122MFG20
	1500	10 × 25	0.042	1650	LWY1A152MFG25
	1800	12.5 × 16	0.040	1780	LWY1A182MFH16
	2200	10 × 30	0.031	1910	LWY1A222MFG30
	2700	12.5 × 20	0.035	2210	LWY1A272MFH20
	3300	12.5 × 25	0.027	2230	LWY1A332MFH25
	3900	12.5 × 30	0.024	2650	LWY1A392MFH30
	4700	12.5 × 35	0.020	2880	LWY1A472MFH35
	5600	16 × 25	0.021	2930	LWY1A562MFK25
	6800	16 × 31.5	0.017	3450	LWY1A682MFK30
	6800	18 × 25	0.019	3140	LWY1A682MFM25
	8200	16 × 35.5	0.015	3610	LWY1A822MFK35
10000	16 × 40	0.013	4080	LWY1A103MFK40	
10000	18 × 35.5	0.014	4220	LWY1A103MFM35	
12000	18 × 40	0.012	4280	LWY1A123MFM40	
16	56	5 × 11	0.580	210	LWY1C560MOD11
	100	5 × 11	0.400	255	LWY1C101MOD11
	120	6.3 × 11	0.220	340	LWY1C121M0E11
	150	6.3 × 11	0.180	400	LWY1C151M0E11
	220	6.3 × 11	0.150	500	LWY1C221M0E11
	330	8 × 11.5	0.130	640	LWY1C331MFF11
	470	8 × 15	0.087	840	LWY1C471MFF15
	470	10 × 12.5	0.080	865	LWY1C471MFG12
	680	8 × 20	0.069	1050	LWY1C681MFF20
	680	10 × 16	0.060	1210	LWY1C681MFG16

W.V (Vdc)	Cap. (μF)	φ D × L (mm)	Impedance	Ripple Current	Part No.	
16	820	10 × 16	0.055	1300	LWY1C821MFG16	
	1000	10 × 20	0.046	1400	LWY1C102MFG20	
	1200	10 × 25	0.042	1650	LWY1C122MFG25	
	1500	10 × 30	0.031	1910	LWY1C152MFG30	
	1500	12.5 × 20	0.035	1900	LWY1C152MFH20	
	1800	12.5 × 20	0.032	2070	LWY1C182MFH20	
	2200	12.5 × 25	0.027	2230	LWY1C222MFH25	
	2700	12.5 × 30	0.024	2650	LWY1C272MFH30	
	3300	12.5 × 35	0.020	2880	LWY1C332MFH35	
	3900	16 × 25	0.017	3350	LWY1C392MFK25	
	4700	16 × 31.5	0.017	3450	LWY1C472MFK30	
	5600	16 × 35.5	0.015	3610	LWY1C562MFK35	
	6800	16 × 40	0.013	4080	LWY1C682MFK40	
	8200	18 × 35.5	0.014	4220	LWY1C822MFM35	
	10000	18 × 40	0.012	4280	LWY1C103MFM40	
	25	47	5 × 11	0.580	210	LWY1E470MOD11
		56	5 × 11	0.400	255	LWY1E560MOD11
		100	6.3 × 11	0.220	340	LWY1E101M0E11
		120	6.3 × 11	0.180	400	LWY1E121M0E11
		150	6.3 × 11	0.150	500	LWY1E151M0E11
220		8 × 11.5	0.130	640	LWY1E221MFF11	
330		8 × 15	0.087	840	LWY1E331MFF15	
470		8 × 20	0.069	1050	LWY1E471MFF20	
470		10 × 16	0.060	1210	LWY1E471MFG16	
680		10 × 20	0.046	1400	LWY1E681MFG20	
680		12.5 × 16	0.049	1450	LWY1E681MFH16	
820		10 × 25	0.042	1650	LWY1E821MFG25	
1000		10 × 30	0.031	1910	LWY1E102MFG30	
1000		12.5 × 20	0.035	1900	LWY1E102MFH20	
1200		12.5 × 25	0.035	2210	LWY1E122MFH25	
1500		12.5 × 25	0.027	2230	LWY1E152MFH25	
1800		12.5 × 30	0.024	2650	LWY1E182MFH30	
2200		12.5 × 35	0.020	2880	LWY1E222MFH35	
2700		16 × 25	0.021	2930	LWY1E272MFK25	
3300		16 × 31.5	0.017	3450	LWY1E332MFK30	
3900	16 × 35.5	0.015	3610	LWY1E392MFK35		
4700	16 × 40	0.013	4080	LWY1E472MFK40		
5600	18 × 40	0.012	4280	LWY1E562MFM40		
35	10	5 × 11	1.500	100	LWY1V100MOD11	
	22	5 × 11	0.750	180	LWY1V220MOD11	
	33	5 × 11	0.580	210	LWY1V330MOD11	
	56	6.3 × 11	0.220	340	LWY1V560M0E11	
	100	6.3 × 11	0.180	400	LWY1V101M0E11	
	120	8 × 11.5	0.150	500	LWY1V121MFF11	
	150	8 × 11.5	0.130	640	LWY1V151MFF11	
	180	8 × 11.5	0.120	720	LWY1V181MFF11	
	220	8 × 15	0.087	840	LWY1V221MFF15	
	270	10 × 12.5	0.069	1050	LWY1V271MFG12	
	330	10 × 16	0.060	1210	LWY1V331MFG16	
	470	10 × 20	0.046	1400	LWY1V471MFG20	
	560	10 × 25	0.042	1650	LWY1V561MFG25	
	680	10 × 30	0.031	1910	LWY1V681MFG30	
	680	12.5 × 20	0.035	1900	LWY1V681MFH20	
	1000	12.5 × 25	0.027	2230	LWY1V102MFH25	
	1200	12.5 × 30	0.024	2650	LWY1V122MFH30	
	1200	16 × 20	0.027	2530	LWY1V122MFK20	
	1500	12.5 × 35	0.020	2880	LWY1V152MFH35	
	1800	16 × 25	0.021	2930	LWY1V182MFK25	
1800	18 × 20	0.026	2860	LWY1V182MFM20		
2200	16 × 31.5	0.017	3450	LWY1V222MFK30		



ELECTROLYTIC CAPACITORS

東信工業株式会社

■寸法表/CASE SIZE TABLE

■Impedance[Max.Value Ω] at 20°C 100kHz

■Ripple Current [Max. value mA] at 105°C 100kHz

W.V (Vdc)	Cap. (μF)	φ D × L (mm)	Impedance	Ripple Current	Part No.
35	2200	18×25	0.019	3140	LWY1V222MFM25
	2700	16×35.5	0.015	3610	LWY1V272MFK35
	2700	18×31.5	0.015	4170	LWY1V272MFM30
	3300	16×40	0.013	4080	LWY1V332MFK40
	3300	18×35.5	0.014	4220	LWY1V332MFM35
	3900	18×40	0.012	4280	LWY1V392MFM40
50	10	5×11	1.500	100	LWY1H100MOD11
	22	5×11	0.700	180	LWY1H220MOD11
	33	6.3×11	0.650	210	LWY1H330M0E11
	56	6.3×11	0.300	295	LWY1H560M0E11
	100	8×11.5	0.170	555	LWY1H101MFF11
	120	8×15	0.120	730	LWY1H121MFF15
	150	10×12.5	0.120	760	LWY1H151MFG12
	180	8×20	0.091	910	LWY1H181MFF20
	220	10×16	0.084	1050	LWY1H221MFG16
	270	10×20	0.060	1220	LWY1H271MFG20
	330	10×25	0.055	1440	LWY1H331MFG25
	470	10×30	0.043	1690	LWY1H471MFG30
	470	12.5×20	0.045	1660	LWY1H471MFH20
	560	12.5×25	0.034	1950	LWY1H561MFH25
	680	12.5×30	0.030	2310	LWY1H681MFH30
	1000	16×25	0.025	2555	LWY1H102MFK25
	1000	18×20	0.036	2490	LWY1H102MFM20
	1200	16×31.5	0.022	3010	LWY1H122MFK30
1200	18×25	0.026	2740	LWY1H122MFM25	
1500	16×35.5	0.019	3150	LWY1H152MFK35	
1800	16×40	0.016	3710	LWY1H182MFK40	
1800	18×31.5	0.021	3635	LWY1H182MFM30	
2200	18×35.5	0.017	3680	LWY1H222MFM35	
2700	18×40	0.014	3800	LWY1H272MFM40	
63	56	8×11.5	0.880	165	LWY1J560MFF11
	68	8×11.5	0.220	570	LWY1J680MFF11
	82	8×15	0.160	665	LWY1J820MFF15
	100	10×12.5	0.140	740	LWY1J101MFG12
	120	8×20	0.120	820	LWY1J121MFF20
	120	10×16	0.076	950	LWY1J121MFG16
	180	10×20	0.056	1150	LWY1J181MFG20
	220	10×25	0.046	1350	LWY1J221MFG25
	270	12.5×20	0.041	1500	LWY1J271MFH20
	390	12.5×25	0.031	1900	LWY1J391MFH25
	470	12.5×30	0.028	2300	LWY1J471MFH30
	470	16×20	0.032	2000	LWY1J471MFK20
	560	12.5×35	0.024	2500	LWY1J561MFH35
	680	16×25	0.025	2800	LWY1J681MFK25
	680	18×20	0.025	2600	LWY1J681MFK25
	820	16×31.5	0.021	2850	LWY1J821MFK30
	820	18×25	0.024	2800	LWY1J821MFM25
	1000	16×35.5	0.019	2900	LWY1J102MFK35
1200	16×40	0.018	3400	LWY1J122MFK40	
1500	18×35.5	0.018	3400	LWY1J152MFM35	
1800	18×40	0.017	3500	LWY1J182MFM40	

W.V (Vdc)	Cap. (μF)	φ D × L (mm)	Impedance	Ripple Current	Part No.
80	68	10×12.5	0.170	480	LWY1K680MFG12
	82	10×12.5	0.150	530	LWY1K820MFG12
	100	10×16	0.110	600	LWY1K101MFG16
	120	10×20	0.084	800	LWY1K121MFG20
	180	12.5×16	0.084	950	LWY1K181MFH16
	220	12.5×20	0.062	1100	LWY1K221MFH20
	270	12.5×25	0.060	1350	LWY1K271MFH25
	390	12.5×30	0.042	1500	LWY1K391MFH30
	470	12.5×35	0.036	1650	LWY1K471MFH35
	470	16×25	0.038	1700	LWY1K471MFK25
	560	12.5×40	0.032	1800	LWY1K561MFK40
	680	16×31.5	0.032	1850	LWY1K681MFK30
	680	18×25	0.036	1750	LWY1K681MFM25
	820	16×35.5	0.029	2000	LWY1K821MFK35
	820	18×31.5	0.030	1900	LWY1K821MFM30
1000	16×40	0.027	2200	LWY1K102MFK40	
1200	18×40	0.026	2700	LWY1K122MFM40	
100	15	6.3×11	0.570	205	LWY2A150M0E11
	27	8×11.5	0.360	355	LWY2A270MFF11
	39	8×15	0.250	450	LWY2A390MFF15
	47	10×12.5	0.170	480	LWY2A470MFG12
	56	8×20	0.190	565	LWY2A560MFF20
	68	10×16	0.110	600	LWY2A680MFG16
	82	10×20	0.084	800	LWY2A820MFG20
	100	12.5×16	0.110	750	LWY2A101MFH16
	120	10×25	0.069	900	LWY2A121MFG25
	150	12.5×20	0.062	1100	LWY2A151MFH20
	220	12.5×25	0.047	1250	LWY2A221MFH25
	220	16×20	0.048	1350	LWY2A221MFK20
	270	12.5×30	0.042	1500	LWY2A271MFH30
	330	12.5×35	0.036	1650	LWY2A331MFH35
	330	16×25	0.038	1700	LWY2A331MFK25
	330	18×20	0.045	1500	LWY2A331MFM20
	390	12.5×40	0.032	1800	LWY2A391MFH40
	470	16×31.5	0.032	1850	LWY2A471MFK30
470	18×25	0.036	1750	LWY2A471MFM25	
560	16×35.5	0.029	2000	LWY2A561MFK35	
560	18×31.5	0.030	1900	LWY2A561MFM30	
680	16×40	0.027	2200	LWY2A681MFK40	
680	18×35.5	0.027	2200	LWY2A681MFM35	
820	18×40	0.026	2700	LWY2A821MFM40	