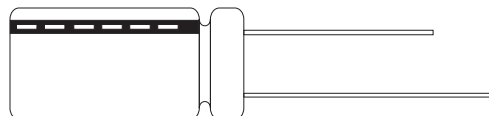


FEATURES

- 85°C
- Standard low leakage current series.



SPECIFICATIONS

Item	Performance													
	RL					RLA								
Life	At 85°C 1000 Hrs					At 85°C 2000 Hrs								
Operating Temperature	-40°C ~ +85°C													
Capacitance Tolerance	± 20% (120Hz, 20°C)													
Leakage Current (at 20°C)	I = 0.002CV or 0.4 (A) whichever is greater (after 2 minutes) Where, C = rated capacitance in μ F, V=rated DC working voltage in V.													
Dissipation Factor Tan δ at 120 Hz, 20°C	Rated Voltage	6.3	10	16	25	35	50	63	100					
	Tan δ (max)	0.24	0.21	0.16	0.14	0.12	0.10	0.09	0.08					
When the capacitance exceed 1000 μ F 0.02 shall be added every 1000 μ F.														
Impedance ratio shall not exceed the values given in the table below														
Low Temperature Characteristics (at 120Hz)	Rated Voltage	6.3	10	16	25	35	50	63	100					
	Impedance Ratio	Z(-25°C)/Z(+20°C)	5	4	2	2	2	2	2	2				
		Z(-40°C)/Z(+20°C)	10	8	6	4	4	3	3	3				
Load Life Test	Test Time	1000 / 2000 Hrs					1000 Hrs							
	Capacitance Change	≤ ± 20%					≤ ± 20%							
	Dissipation Factor	Less than 200% of specified value					Less than 200% of specified value							
	Leakage Current	Within specified value					Within specified value							
	Specification shall be satisfied when the capacitors are restored to 20°C after rated voltage applied for 1000/2000 hrs.at 85°C.						Specification shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hrs at 85°C without voltage applied.							
	Shelf Life Test													
Ripple Current & Frequency Multipliers	Cap. (μ F)	Freq. (Hz)	60(50)	120	500	1K	10K up	Ripple Current & Temperature Multipliers			Temperature (°C)	Under 50	70	85
		Under 100	0.70	1.00	1.35	1.55	2.00				Multipliers	1.75	1.58	1.00
		220 to 1000	0.83	1.00	1.23	1.32	1.50							
		2200 up above	0.90	1.00	1.12	1.10	1.15							
Standards	Satisfies Characteristic W of JIS C 5141													

DIMENSIONS AND PERMISSIBLE RIPPLE CURRENT

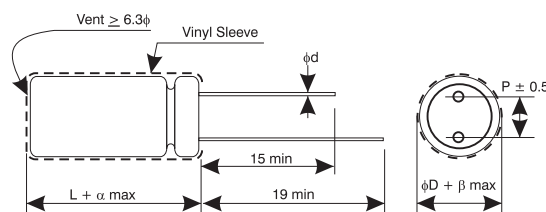
Dimension: φ D×L(mm)

Ripple Current: mA/RMS at 120Hz 85°C

VDC	6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)		63V(1J)		100V(2A)		
	μ F	Code	DXL	mA	DXL	mA	DXL	mA	DXL	mA	DXL	mA	DXL	mA	DXL	mA	
0.1	0R1											5 x 11	1.3			5 x 11	2.6
0.22	R22											5 x 11	2.9			5 x 11	5.8
0.33	R33											5 x 11	4.4			5 x 11	8.8
0.47	R47											5 x 11	7			5 x 11	12
1	010											5 x 11	13			5 x 11	22
2.2	2R2											5 x 11	29			5 x 11	33
3.3	3R3											5 x 11	35			5 x 11	40
4.7	4R7							5 x 11	31	5 x 11	40	5 x 11	42	5 x 11	45	5 x 11	48
10	100				5 x 11	44	5 x 11	54	5 x 11	58	5 x 11	65	5 x 11	70	6.3 x 11	80	
22	220			5 x 11	59	5 x 11	75	5 x 11	80	5 x 11	87	5 x 11	95	6.3 x 11	115	8 x 11.5	135
33	330	5 x 11	55	5 x 11	84	5 x 11	90	5 x 11	97	5 x 11	105	6.3 x 11	125	6.3 x 11	140	10 x 12.5	195
47	470	5 x 11	79	5 x 11	100	5 x 11	110	5 x 11	115	6.3 x 11	145	6.3 x 11	150	8 x 11.5	190	10 x 16	255
100	101	5 x 11	130	5 x 11	145	6.3 x 11	180	6.3 x 11	190	8 x 11.5	240	8 x 11.5	255	10 x 12.5	320	13 x 20	450
220	221	6.3 x 11	230	6.3 x 11	250	8 x 11.5	300	8 x 11.5	320	10 x 12.5	420	10 x 16	490	10 x 20	565	16 x 25	810
330	331	6.3 x 11	280	8 x 11.5	350	8 x 11.5	370	10 x 12.5	470	10 x 16	570	10 x 20	650	13 x 20	765	16 x 25	990
470	471	8 x 11.5	380	8 x 11.5	415	10 x 12.5	520	10 x 16	620	10 x 20	740	13 x 20	860	13 x 25	990	16 x 31.5	1250
1000	102	10 x 12.5	650	10 x 16	790	10 x 20	910	13 x 20	1090	13 x 25	1300	16 x 25	1530	16 x 31.5	1700		
2200	222	13 x 20	1150	13 x 20	1240	13 x 25	1420	16 x 25	1660	16 x 31.5	1890	18 x 35.5	2160				
3300	332	13 x 20	1380	13 x 25	1590	16 x 25	1840	16 x 31.5	2070	18 x 35.5	2340						
4700	472	16 x 25	1880	16 x 25	1980	16 x 31.5	2260	18 x 35.5	2520	18 x 40	2690						

LEAD SPACING AND DIAMETER

φ d	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φ d	0.5		0.6		0.8		
α	1.0			1.5			
β	0.5						



PART NUMBER EXAMPLE

RL 220 M 1C BK 050 110