

FEATURES

- 85°C, 2000 hours assured.
- Has an auxiliary lead which can withstand vibration excellently when affixing to PCB.
- Suitable for electronic equipment with medium-high voltage such as filter of high rectification circuits.

SPECIFICATIONS

Item	Performance														
Operating Temperature	-40°C ~ +85°C														
Capacitance Tolerance	± 20% (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 μ F. V = rated DC working voltage in V														
Dissipation Factor Tan δ at 120 Hz, 20°C	W.V.	6.3	10	16	25	35 ~ 63	100 ~ 160	200 ~ 250							
	Cap. (μ F)														
	under 1000	-	-	-	-	0.17	0.15	0.15							
	1500, 3300	-	-	-	-	0.20	0.20	-							
	4700, 6800	-	-	0.30	0.25	0.25	-	-							
10000, 15000	0.55	0.45	0.35	0.35	-	-	-								
22000 and up	0.60	0.55	-	-	-	-	-								
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below														
	Rated Voltage		6.3 ~ 100			160 ~ 250									
	Impedance Ratio	Z(-25°C) / Z(+20°C)	4			8									
		Z(-40°C) / Z(+20°C)	12			16									
Load Life Test at 20°C (after rated voltage applied for 2000 hours at 85°C)	Test Time	2000 Hrs					Shelf Life Test at 20°C (after exposing them for 1000 hours at 85°C without voltage applied)		Test Time			1000 Hrs			
	Capacitance Change	< ± 20%							Capacitance Change			≤ ± 20%			
	Dissipation Factor	Less than 200% of specified value.							Dissipation Factor			Less than 200% of specified value			
	Leakage Current	Within specified value							Leakage Current			Within specified value			
Ripple Current & Frequency Multipliers	Freq. (Hz)	60(50)	120	500	1K	10K up	Ripple Current & Temperature Multipliers					40	50	70	85
	W.V.(V)						2.1	1.8	1.50	1.00					
	Under 100	0.95	1.00	1.10	1.30	1.33									
160 and up	0.90	1.00	1.20	1.50	1.55										
Standards	Satisfies Characteristic W of JIS C 5141														

DIMENSIONS AND PERMISSIBLE RIPPLE CURRENT

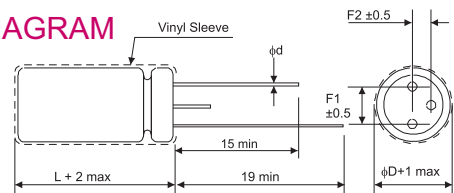
Dimension: ϕ D×L(mm) Ripple Current: A/RMS at 120Hz 85°C

F	VDC Code	6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)		63V(1J)		100V(2A)		160V(2C)		200V(2D)		250V(2E)		
		ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	ϕ DxL	A	
150	151																							
220	221																	22 x 30	0.7	22 x 30	0.6		22 x 40	0.7
330	331																	22 x 35	0.8	22 x 40	0.8		25 x 40	0.8
470	471																	25 x 40	0.9	25 x 40	1.0		30 x 50	1.2
560	561																	22 x 30	0.7	25 x 40	1.0		25 x 50	1.1
680	681																	22 x 35	0.9	25 x 50	1.1			
820	821																	22 x 40	1.0					
1000	102																	25 x 40	1.2					
1500	152																	22 x 35	1.2	25 x 50	1.4			
2200	222												22 x 30	1.1	25 x 40	1.5	30 x 50	2.0						
2700	272												22 x 35	1.4	25 x 40	1.9	30 x 60	2.9						
3300	332												22 x 30	1.3	22 x 40	1.7	25 x 40	2.4						
4700	472												22 x 30	1.4	22 x 40	1.8	25 x 50	2.4				30 x 50	2.6	
6800	682												22 x 30	1.5	22 x 40	1.7	25 x 40	2.2				30 x 50	3.2	
10000	103												22 x 30	1.5	22 x 40	1.7	25 x 40	2.2				30 x 50	3.4	
15000	153	22 x 30	1.7	22 x 40	2.2	25 x 40	2.6	30 x 50	3.2															
22000	223	22 x 40	2.2	25 x 40	2.9	25 x 50	3.4																	
27000	273	25 x 40	2.9	25 x 50	3.4	30 x 50	4.1																	
33000	333	25 x 50	3.4	30 x 50	4.4																			

LEAD SPACING AND DIAMETER

ϕ D	22	25	30
F1	10	12.5	15
F2	5	6.25	7.5
ϕ d	1.0	1.0	1.0
ϕ d1	1.4	1.4	1.4

DIAGRAM



PART NUMBER EXAMPLE

LP 103 M 1E BK 250 400