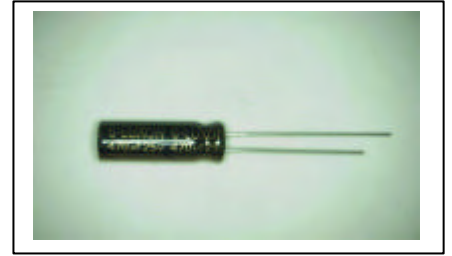


LW Series

Features
 Lifetime: 105 ,2000hrs
 Ultra-low ESR

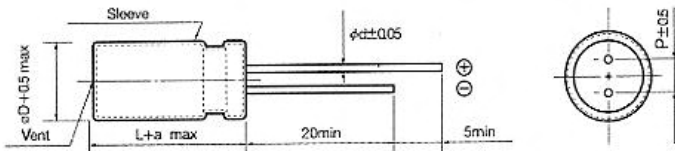
Recommended Applications
 AV(TV, Video, Audio)
 Monitor/Computer
 OA/HA/Communication
 Converter/Inverter
 Adapter
 SMPS



Specifications

Items	Characteristics			
Capacitance Tolerance	$\pm 20\%$ (M) (120Hz, 20)			
Rated Voltage Range (WV)	6.3~16VDC			
Operating Temperature Range	-40 ~ +105			
Surge Voltage (V) (20)	WV	6.3	10	16
	SV	8	13	20
Leakage Current (Max) (20)	I 0.01CV (After rated voltage applied for 2 minutes)			
	I= Leakage Current (μ A) C= Nominal Capacitance (μ F) V= Rated Voltage (V)			
Dissipation Factor (Max) (tan) (120Hz, 20)	WV	6.3	10	16
	tan	0.22	0.19	0.16
When nominal capacitance is over 1000 μ F, tan shall be added 0.02 to the listed value with increase of every 1000 μ F.				
Low Temperature Stability Impedance Ratio (Max)	WV	6.3	10	16
	Z (120Hz) Z(-25) / Z(20)	2	2	2
	Z(-40) / Z(20)	3	3	3
Load Life	After applying rated voltage for 2000 hours at 105 , the capacitor shall meet the following requirement.			
	Capacitance Change	Within $\pm 25\%$ of the initial value		
	Dissipation Factor	Not more than 200% of the specified value		
	Leakage Current	Not More than the specified value		
Shelf Life	After placed at 105 without voltage applied for 1000 hours, the capacitor shall meet the same requirement as load life.			
Applicable standards	Refer to JIS C 5101			

Dimensions (mm)



D	8	10
P	3.5	5.0
d	0.6	0.6
a	1.0	1.0

Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	50	120	1K	10K	100K
Coefficient	0.45	0.55	0.75	0.85	1.00

Temperature coefficient

Ambient Temperature ()	50	70	85	105
Coefficient	1.90	1.75	1.40	1.00

Case Size / Max Ripple Current / ESR

CASE SIZE (DxL)/MAX PERMISSIBLE RIPPLE CURRENT(RC (mArms) / 100KHz,105) /
 MAX EQUIVALENT SERIES RESISTANCE (ESR(m) / 100KHz,20)

WV	6.3			10			16		
μF	DxL	RC	ESR	DxL	RC	ESR	DxL	RC	ESR
470							8x11	1140	36
680				8x11	1140	36	8x16	1490	28
							10x12.5	1540	26
820	8x11	1140	36						
1000	8x16	1360	28	8x16	1490	28	8x20	1870	21
	10x12.5	1390	26	10x12.5	1540	26	10x16	2000	19
1200	8x16	1490	28						
1500	8x20	1610	21	8x20	1870	21	10x20	2550	13
	10x16	1720	19	10x16	2000	19			
1800	8x20	1870	21	10x20	2550	13	10x25	2800	12
	10x16	2000	19						
2200	10x20	2550	13	10x25	2800	12			
3300	10x25	2800	12						