

# WL Series

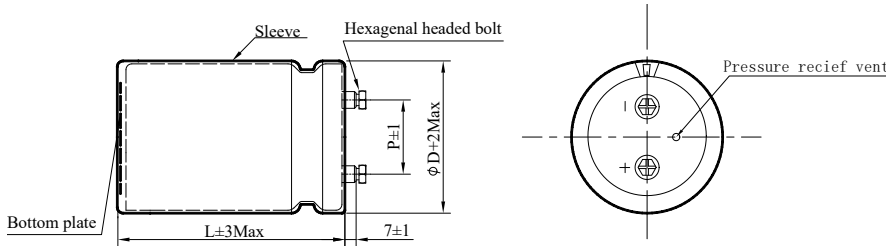
- High ripple current, suitable to use in industrial power supplies for inverter circuitry, etc
- Load life 20,000 hours at 85°C

◆ SPECIFICATIONS

Item	Performance Characteristics			
Category Temperature Range	-40~ +85°C			
Working Voltage Range	350 ~ 450Vdc			
Capacitance Range	1,000 ~ 12,000μF			
Capacitance Tolerance	±20% (at 20°C and 120Hz)			
Dissipation Factor (tan δ) (at 20°C, 120Hz)	Rated Voltage (V)	350	400	450
	tan δ(Max)	0.15		
Leakage Current	I=0.01CV or 5000μA, whichever is smaller I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Apply rated voltage the rated voltage for 5 minutes.			
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied for 20,000 hours at 85°C			
	Capacitance change	≅ ±30% of the initial value		
	Dissipation factor(tan δ)	≅ 300% of the specified value		
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 20°C after the rated voltage applied for 500 hours at 85°C without voltage applied.			
	Capacitance change	≅ ±30% of the initial value		
	Dissipation factor(tan δ)	≅ 300% of the specified value		
Others	Leakage current			
	≅ specified value			
Conforms to JIS-C-5101-4 (1998), characteristic W				

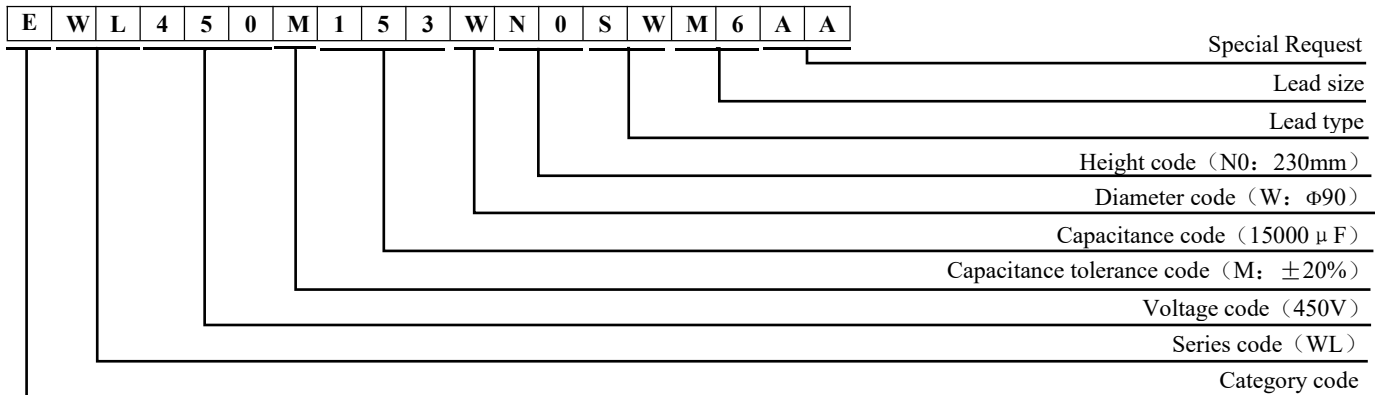
◆ DIMENSIONS(mm)

Terminal Code :SW



ΦD	51	64	76	89
P±1	22.0	28.3	31.4	31.4

◆ PART NUMBER SYSTEM( Example : 450V 15000μF)



WL Series

◆ Case size & Permissible rated ripple current: (A rms) at 85°C / 120Hz

Vdc uF	350								400								
	Φ51		Φ64		Φ76		Φ90		Φ51		Φ64		Φ76		Φ90		
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	
1000	51×80	3.8								51×80	4.0						
1200	51×80	4.0								51×95	4.6						
1500	51×95	5.2								51×115	5.5						
1800	51×95	5.7								51×130	6.3						
2200	51×130	7.1										64×95	7.3				
2700			64×95	7.5								64×115	10.0				
3300			64×115	11.0								64×130	11.5				
3900			64×130	12.8										76×115	14.5		
4700					76×115	14.5								76×130	15.5		
5600					76×130	16.9								76×155	18.2		
6800					76×155	20.0										89×157	21.0
8200							89×157	23.1								89×157	24.0
10000							89×157	26.6								89×195	29
12000							89×195	32.0									

Vdc uF	450																
	Φ51		Φ64		Φ76		Φ89										
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC									
1000	51×95	4.2															
1200	51×115	5.0															
1500	51×130	5.9															
1800			64×95	6.5													
2200			64×115	9.0													
2700			64×130	10.5													
3300					76×130	13.0											
3900					76×155	14.4											
4700					76×155	16.5											
5600							89×157	19.8									
6800							89×195	23.0									
8200							89×195	26.3									

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	50	120	300	1K	10K
350 ~ 450	0.80	1.00	1.10	1.30	1.40

◆ Dimensions of mounting bracket

D	A±2	B±1	a±0.5	b
51	73.0	63.5	4.5	7.0
64	85.1	76.2	4.5	7.0
76	98.4	88.9	4.5	7.0
89	111.1	101.6	4.5	7.0

◆ DIMENSIONS (Screw-Mount) [mm]

