

WN Series

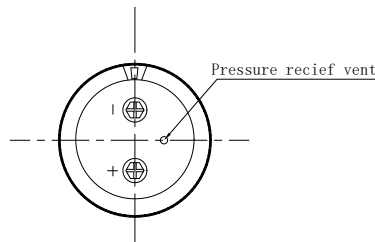
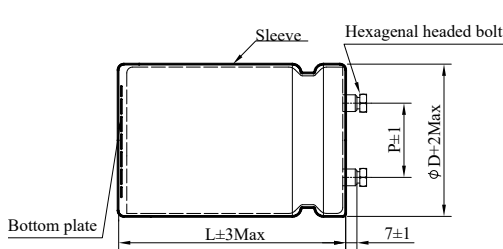
- High ripple, suitable to use in industrial power supplies for inverter circuitry
- Endurance:5,000 hours at 85°C.

◆ **SPECIFICATIONS**

Item	Performance Characteristics	
Category Temperature Range	-40 ~ +85°C	-25 ~ +85°C
Working Voltage Range	350~550Vdc	600Vdc
Capacitance Range	1,000~18,000μF	
Capacitance Tolerance	±20% (at 20°C and 120Hz)	
Dissipation Factor (tan δ) (at 20°C, 120Hz)	Rated Voltage (V)	350 ~ 450
	tan δ (Max)	0.15
Leakage Current	500 ~ 600	
	The above values should be increased by 0.02 for every additional 1000μF	
Low Temperature Characteristics Impedance Ratio(MAX) Endurance	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. (at 120Hz)	
	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 5,000 hours at 85°C.	
Shelf Life	Capacitance change	≒ ±20% of the initial value
	Dissipation factor(tan δ)	≒ 200% of the specified value
	Leakage current	≒ specified value
Others	Conforms to JIS-C-5101-4 (1998) and IEC 60384-4	

◆ **DIMENSIONS(mm)**

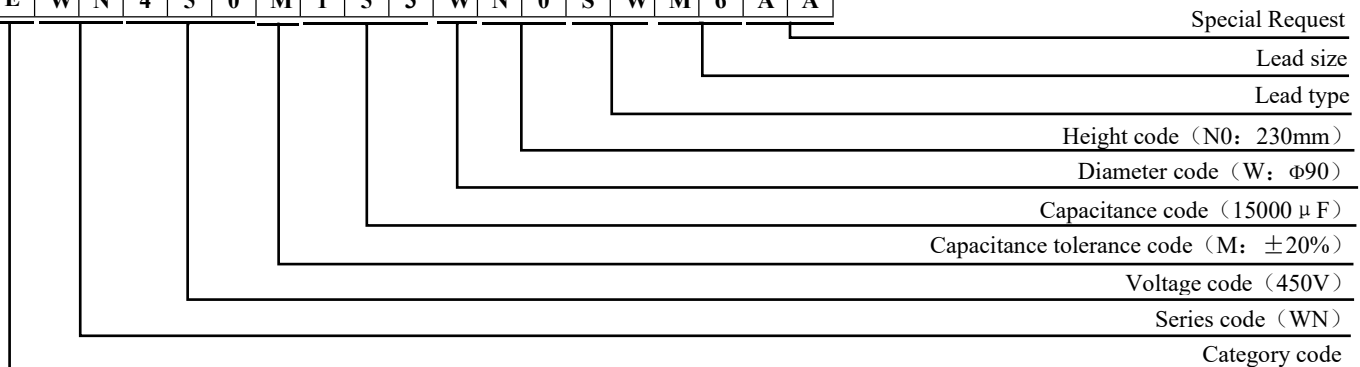
Terminal Code :SW



ΦD	51	64	76	90
P±1	22.0	28.3	31.4	31.4

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

E W N 4 5 0 M 1 5 3 W N 0 S W M 6 A A



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

Vdc ΦD uF	350								400							
	Φ51		Φ64		Φ76		Φ89		Φ51		Φ64		Φ76		Φ89	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
1200	51×80	5.5							51×80	5.8						
1500	51×80	6.1							51×95	6.7						
1800	51×95	7.4							51×95	7.5						
2200	51×95	8.2							51×115	9.0						
2700	51×130	10.0							51×130	10.2	64×95	10.0				
3300	51×130	11.3									64×95	11.0				
3900			64×115	12.8							64×115	13.2				
4700			64×130	14.5							64×130	14.5	76×115	14.9		
5600					76×115	16.3							76×115	16.3		
6800					76×130	18.8							76×130	18.7		
8200					76×155	22.0							76×155	22.0	89×157	23.5
10000							89×157	25.9					76×195	26.5	89×157	26.5
12000							89×157	29.0							89×195	31.0
15000							89×195	35.7							89×195	34.8
18000							89×235	41.2							89×235	41.2

Vdc ΦD uF	450								500							
	Φ51		Φ64		Φ76		Φ89		Φ51		Φ64		Φ76		Φ89	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
1200	51×95	6.0														
1500	51×115	7.2									64×95	4.8				
1800	51×115	7.9									64×95	5.5				
2200	51×130	8.3	64×95	9.0							64×115	6.5				
2700			64×95	9.8									76×115	8.8		
3300			64×115	11.7									76×130	10.4		
3900			64×130	13.0	76×115	13.6							76×130	11.4		
4700					76×115	14.8									89×157	13.8
5600					76×130	16.9									89×170	16.0
6800					76×155	19.4	89×157	21.4							89×195	18.6
8200					76×195	23.7	89×157	23.5								
10000							89×170	26.6								
12000							89×195	30.9								
15000							89×235	36.1								

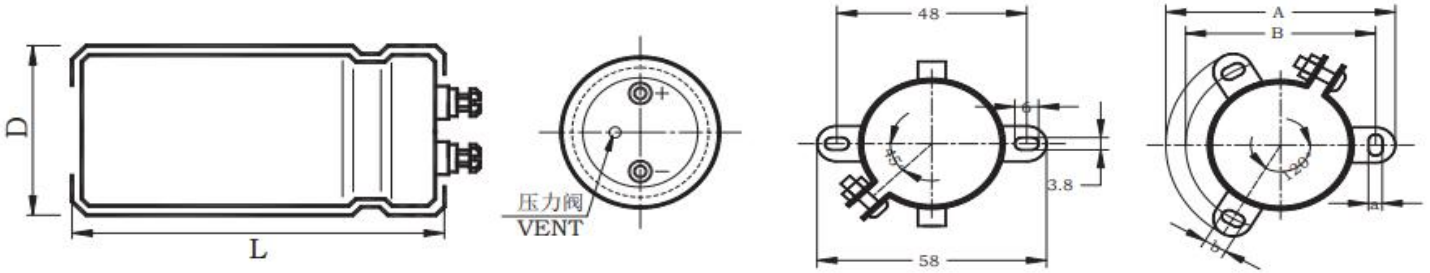
Vdc ΦD uF	550								600							
	Φ51		Φ64		Φ76		Φ89		Φ51		Φ64		Φ76		Φ89	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
1000	51×130	4.3							51×130	5.5						
1200			64×115	5.0									76×115	6.1		
1500			64×130	6.0									76×130	7.3		
1800					76×105	6.6							76×155	9.0		
2200					76×115	7.8									89×130	9.7
2700					76×130	8.9									89×157	11.6
3300					76×155	10.5									89×170	13.5
3900					76×155	11.7									89×195	16.2
4700							89×157	13.8							89×195	19.5
5600							89×170	16.0							89×250	22.4
6800							89×195	18.6								

◆ **RIPPLE CURRENT MULTIPLIERS**

Frequency Multipliers

Vdc	Frequency (Hz)				
	50	120	300	1K	10K
350 ~ 600	0.80	1.00	1.10	1.30	1.40

◆ **DIMENSIONS (Screw-Mount) [mm]**



◆ **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