

WH Series

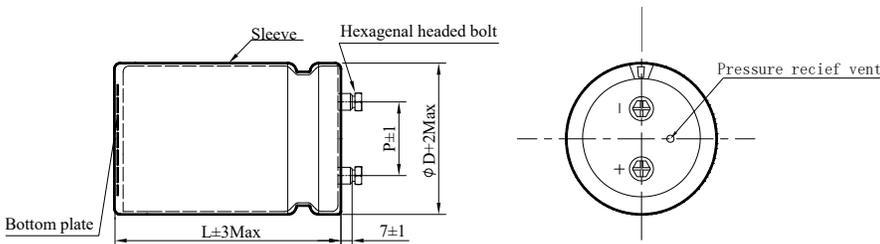
- High ripple, suitable to use in industrial power supplies for inverter circuitry, etc.
- Load life 5,000 hours at 105°C

◆ SPECIFICATIONS

Item	Performance Characteristics	
Category Temperature Range	-40~ +105°C	
Working Voltage Range	350~500Vdc	
Capacitance Range	1,000~15,000μF	
Capacitance Tolerance	±20% (at 20°C and 120Hz)	
Dissipation Factor (tan δ) (at 20°C, 120Hz)	Rated Voltage (V)	350 ~ 500
	tan δ (Max)	0.15
The above values should be increased by 0.02 for every additional 1000μF		
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.	
Low Temperature Characteristics Impedance Ratio(MAX) 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 5,000 hours at 105°C.	
	Capacitance change	≒ ±30% of the initial value
	Dissipation factor(tan δ)	≒ 300% of the specified value
	Leakage current	≒ 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 105°C without voltage applied.	
	Capacitance change	±30% of the initial value
	Dissipation factor(tan δ)	≒ 300% of the specified value
	Leakage current	≒ specified value
Others	Conforms to JIS-C-5101-4 (1998) and IEC 60384-4	

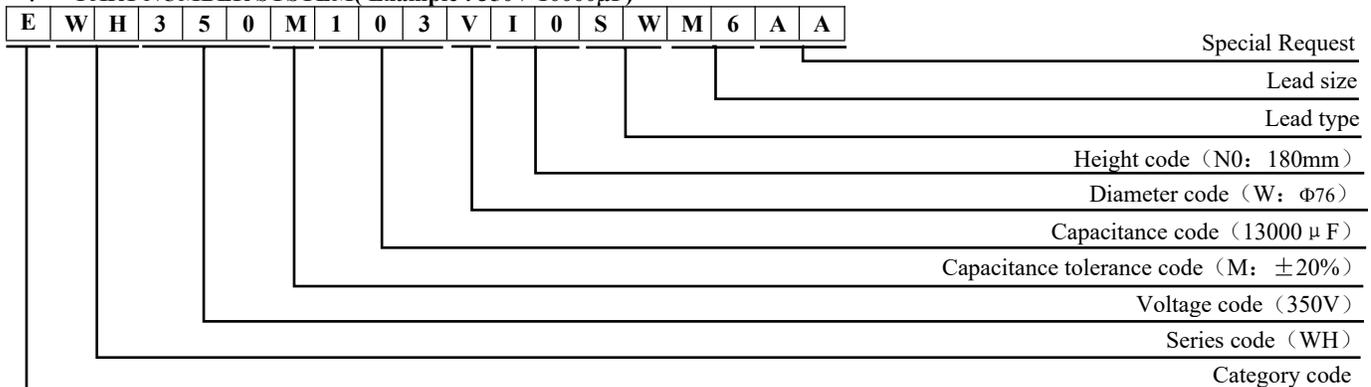
◆ DIMENSIONS(mm)

Terminal Code :SS



ΦD	51	64	76	89
P±1	22.4	28.0	31.5	31.5

◆ PART NUMBER SYSTEM(Example : 350V 10000μF)



WH Series

◆ Case size & Permissible rated ripple current: (A rms) at 105°C / 120Hz

uF	Vdc	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	3.9							51×80	4.0						
1200		51×80	4.2							51×95	4.7						
1500		51×95	5.2							51×115	5.5						
1800		51×115	5.7							51×130	6.4						
2200		51×130	7.0									64×95	6.9				
2700				64×95	8.0							64×115	8.5				
3300				64×115	10.4							64×130	10.0				
3900				64×130	11.0									76×115	11.5		
4700						76×115	12.0							76×130	12.5		
5600						76×130	13.8							76×155	14.9		
6800						76×155	16.3									89×157	17.3
8200								89×157	19.0							89×157	19.0
10000								89×157	21.0							89×195	22.0
12000								89×195	25.0							89×235	27.0
15000								89×235	30.0								

uF	Vdc	450								500							
		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		51×95	4.2							51×130	4.4						
1200		51×115	5.0									64×115	5.2				
1500		51×130	5.9									64×130	6.2				
1800				64×95	6.3									76×115	7.0		
2200				64×115	7.5									76×130	8.0		
2700				64×130	8.9									76×155	9.5		
3300						76×130	10.5									89×130	10.7
3900						76×155	12.3									89×157	12.0
4700						76×155	13.5									89×170	13.5
5600								89×157	14.9							89×195	15.3
6800								89×157	17.0							89×235	18.0
8200								89×195	19.5							89×250	20.0
10000								89×235	23.5								

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	60	120	300	1K	10K
200 ~ 400	0.70	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]

