

WE Series

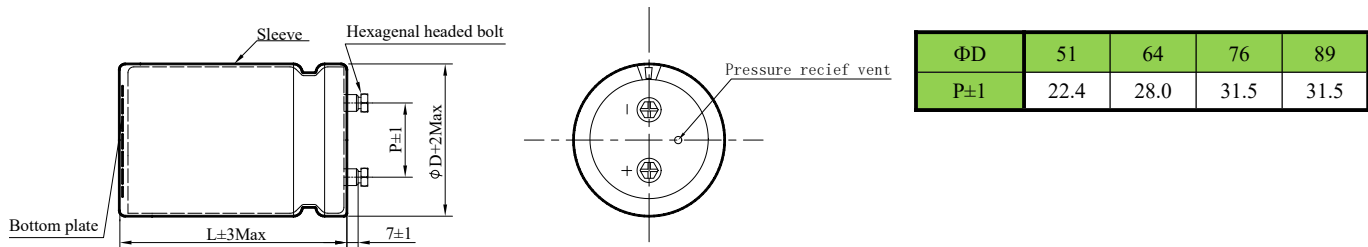
- High ripple, suitable to use in industrial power supplies for inverter circuitry, etc.
- Load life 2,000 hours at 105°C.

◆ **SPECIFICATIONS**

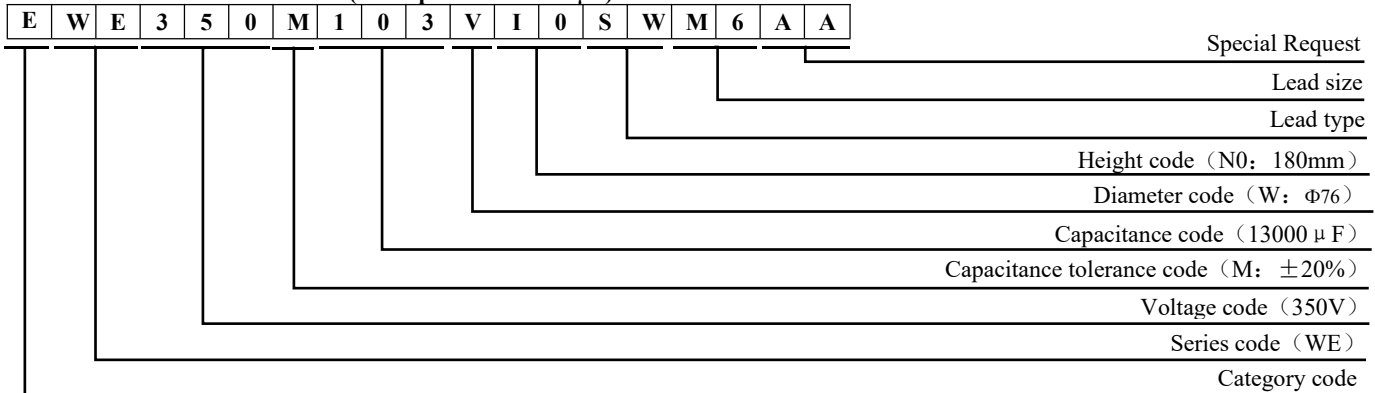
Item	Performance Characteristics		
Category Temperature Range	-25 ~ +105°C		
Working Voltage Range	160~600Vdc		
Capacitance Range	330~22,000μF		
Capacitance Tolerance	±20% (at 20°C and 120Hz)		
Dissipation Factor (tan δ) (at 20°C, 120Hz)	Rated Voltage (V)	160 ~ 500	550 ~ 600
	tan δ (Max)	0.15	0.20
The 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.		
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 2,000 hours at 105°C.		
	Capacitance change	≒ ±15% of the initial value	
	Dissipation factor(tan δ)	≒ 175% 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	≒ ±15% of the initial value	
	Dissipation factor(tan δ)	≒ 175% 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



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



WE Series

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

uF \ Vdc	160								200								
	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	
470																	
680																	
1000																	
1500																	
2200										51×95	3.2						
3300	51×80	4.2								51×95	4.3						
4700	51×95	5.5								64×95	5.2	64×95	5.2				
6800			64×95	7.1						64×115	7.3	64×115	7.3				
10000					76×95	9.1								76×155	9.3		
15000					76×130	11.8										89×157	12.5
22000							89×130	15.0									

uF \ Vdc	250								350								
	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	
470																	
680																	
1000																	
1500										51×80	3.5						
2200	51×80	2.6								51×115	4.8						
3300	51×95	3.4										64×95	6.1				
4700			64×95	4.6										76×115	8.3		
6800			64×115	6.0										76×155	11.0		
10000					76×115	7.9										89×157	14.6
15000					76×155	10.2										89×195	19.1
22000							89×157	13.5									

uF \ Vdc	400								450								
	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	51×80	2.7								51×105	4.2						
1200	51×95	3.2															
1500	51×115	3.9								51×130	5.7						
1800	51×130	4.4															
2200			64×95	4.9								64×115	7.3				
2700			64×115	5.7								64×130	8.3				
3300			64×130	6.6										76×130	10.1		
3900					76×115	7.5											
4700					76×130	8.7								76×155	12.6		
5600					76×155	10.3										89×157	15.8
6800							89×157	12.1								89×157	18.0
8200							89×157	13.2								89×195	19.8
10000							89×195	15.6								89×195	22.0
12000							89×195	17								89×235	26.0
15000							89×235	20.8								89×250	29.0

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

Vdc ΦD uF	500								550							
	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
330	51×80	1.5														
470	51×80	1.8														
680	51×105	2.5														
820									51×115	3.2						
1000	51×115	3.1							51×130	3.7						
1200											64×95	4.1				
1500			64×115	4.4							64×115	4.9				
1800											64×130	5.7				
2200			64×130	5.6									76×115	6.6		
2700													76×130	7.4		
3300					76×155	8.1							76×155	8.6		
3900							89×157	10.6					76×170	9.8		
4700							89×157	11.6							89×157	11.0
5600							89×170	13.3							89×195	12.9
6800							89×235	16.9							89×220	14.0
8200							89×250	18.1							89×250	14.9

Vdc ΦD uF	600							
	Φ51		Φ64		Φ76		Φ89	
	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC	ΦD×L	RC
820	51×130	3.0						
1000			64×95	3.5				
1200			64×115	4.2				
1500			64×130	5.0				
1800					76×115	5.7		
2200					76×130	6.6		
2700					76×155	7.6		
3300					76×170	8.4		
3900							89×157	9.7
4700							89×195	11.4
5600							89×220	12.3
6800							89×250	14.0

◆ RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Vdc	Frequency (Hz)				
	60	120	300	1K	10K
160 ~ 600	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]

