MH

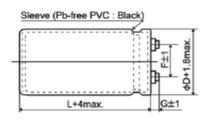
Series

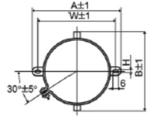


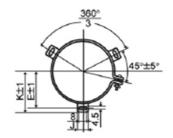
■SPECIFICATIONS

Item			Characteristics							
Category Temperature Range	-	40 ~ +105°	С	-25 ~ +105℃						
Voltage Range	10) ~ 100V.D0	С	160 ~ 400V.DC						
Nominal Cap. Range				180 ~ 680000µF						
Capacitance Tolerance	± 20 % (at 120Hz , 20℃)									
Leakage Current		I=0.02CV or 5 μA Whichever is smaller (After 5 minutes). where, I: max leakage current(μA), C:Nominal capacitance (μF) (at 20°C)								
Dissipation Factor (MAX) (tanδ) (at 120Hz, 20℃)	Shall not exceed the values shown in the STANDARD RATINGS									
Low Temp.Impedance Stability at 120Hz	Capacitance change	10~100 160~400		C(-40°C)/C(+20°C)≥0.6 C(-25°C)/C(+20°C)≥0.7						
Endurance		he rated rip	shall be satisfied when the capacitors are restored to 20°C after subjectipple current is applied for 2000 hours at 105°C. ≤ ±20% of the initial value ≤ 200% of the initial specified value ≤ the initial specified value							
Shelf Life	.	at 105℃ wi e :	shall be satisfied when the capacitors are restored to 20℃ after exposing without voltage applied. ≤ ±20% of the initial value ≤ 200% of the initial specified value ≤ the initial specified value							

■ DIMENSION







Ф35 to Ф63.5:G=6

Ф76 to Ф89 :G=5

ФD	Α	В	W	Н	F
35	58	44	48	3.5	12.7
50	78	64	68	4.5	22.4
63.5	90	76	80	4.5	28
76	104.5	90	93.5	4.5	31.5

ΦD	Е	K	J	F
50	32.5	37	14	22.4
63.5	38.1	43.5	14	28
76	44.5	50	14	31.5
89	50.8	56.5	16	31.5

<Screw specifications > Plus hexagon-headed screw M5x0.8x10 Maximum screw tightening torgue:3.23

Nm

■ RATED RIPPLE CURRENT MULTIPLIERS

W.V.	Case Diameter	Frequency(Hz)											
(Vdc)	(mm)	50	120	300	1K	10K	50K						
10 to 50	Ф35 to Ф89	0.95	1.00	1.03	1.05	1.09	1.12						
68 & 80	Ф35	0.90	1.00	1.06	1.10	1.18	1.22						
00 & 00	Ф50 to Ф89	0.95	1.00	1.03	1.05	1.09	1.12						
	Ф35	0.82	1.00	1.12	1.22	1.30	1.33						
100	Ф50	0.90	1.00	1.06	1.10	1.18	1.22						
	Ф63.5 to Ф89	0.95	1.00	1.03	1.05	1.09	1.12						
	Ф35	0.80	1.00	1.19	1.34	1.46	1.52						
160 to 250	Ф50 & Ф63.5	0.81	1.00	1.14	1.26	1.36	1.41						
	Ф76 & Ф89	0.82	1.00	1.12	1.22	1.30	1.33						
315 to 400	Ф35 to Ф89	0.80	1.00	1.19	1.34	1.46	1.52						

МН

■ STANDA	RD RA	<u>IIT</u>	1G	<u>s</u>																	
WV(vdc) Parameter Cap.(µF)	10			10 16			25 35			50			63			80					
2200		I						S 02	ize(n	nm)								l	35x50	2.4	0.2
2700				-			Ca	3E 3	126(11	1111)						35x50	2.3	0.2	35x50	2.7	0.2
3300				1			Rip	ple C	Curre	nt(Arms) a	at 12	20Hz				35x50	2.5		35x50	3	0.
3900				1			105	S°C					35x50	2.8	0.2	35x50	2.8	0.2	35x60	3.4	0.
4700							—— Max	tanδ	i (a	t 20°C 12	0Hz)	35x50	3.1		35x50	3.1	0.2	35x60	3.7	0.
5600									, (~	0 0	· · · _	,	35x50	3.3		35x60	3.5	0.2	35x80	4.5	0.
6800				1									35x50	3.3		35x60	3.9	0.2	35x80	4.9	0.
8200				1						35x50	3.3	0.3	35x60	3.8		35x80	4.7	0.2	35x100	5.1	0.2
10000				1						35x50		0.3		4.6		35x80	4.7	0.3	35x120		0.2
12000				1			35x50	3.7	0.4	35x60	4.2		35x80	5.1	0.3	35x100	5.5		50x80	6.7	0.2
15000				▼	•	•	35x50	4.1	0.4	35x60	4.7		35x80	5.7	0.3	35x120	6.6	0.3	50x100	8.3	0.3
18000				35x50	4.2	0.4	35x60		0.5	35x80	5.7		35x100		0.3	50x80	7.4	0.3	50x120		0.
22000				35x50	4.7	0.4	35x60		0.4	35x80	6.3				0.3		9	0.3		11	0.
27000	35x50	4.9	0.5			0.4		6.4		35x100	7.5		50x80	9.1	0.3	50x120	11		63.5x100		0.
33000	35x50	5.1	0.5		5.7	0.5	35x80	6.7		35x120	9	0.3	50x100	11	0.3		12	0.3		14	0.
39000	35x60	5.9	0.5		6.8	0.5		7.8	0.4	50x80	9.2	0.4	50x120	13	0.3	63.5x100	13	0.3	76x100	14	0.
47000	35x80	7.1	0.5		7.1	0.5		9.3		50x100	11	0.4	50x120	14		63.5x120		0.3		17	0.
56000	35x80	7.1	0.6	35x100	8.4	0.5	50x80	9.7	0.5	50x100	11	0.4	63.5x100	14		63.5x120		0.3	76x120	18	0.
68000	35x100	8.5	0.6	35x100	8.8	0.6	50x100	11	0.5	50x120	14		63.5x120		0.4		18	0.4	76x140	20	0.4
82000	35x100	8.9	0.7	50x80	11	0.6	50x100	11	0.5	63.5x100	18				0.5	76x140	20	0.4	89x140	22	0.4
100000	35x120	11	0.7	50x80	11	0.7		15	0.5	63.5x120	18	0.5	76x120	20	0.6	76x140	20	0.5			
120000	50x80	11	0.8	50x100	13	0.7	63.5x100	15	0.7	63.5x120	20	0.6	76x120	20	0.6	89x140	22	0.6			
150000	50x100	13	0.8	50x120	15	0.7	63.5x120	18	0.7	76x120	20	0.7	89x140	24	0.8						
180000	50x120	16	0.8	50x120	16	0.8	63.5x120	18	0.8	76x120	20	0.8	89x140	24							
220000	50x120	17	0.9	63.5x120	19	0.9	76x120	21	0.9	76x140	23	0.8		•	•						
270000	63.5x120	20	1	63.5x120	20	1	76x120	22	1	89x140	26	1									
330000	63.5x120	20	1.2	76x120	21	1.3	76x140	23	1.2												
390000	76x120	21	1.5		21	1.5	89x140	25	1.5											L	
470000	76x120	21	1.8	76x140	24	1.6														L	
560000	76x140	24	2	89x140	28	2														L	
680000	76x140	26	2	89x140	29	2.4															
WV(vdc) Parameter Cap.(µF)	1	100 160			200			250			315			350			400				
180													35x50	0.8	0.1	35x50	0.8	0.1	35x50	0.8	0.
220		t	 	1		t	1	 	 	1		 	05.50	2.0	- 1	0550	0.0				÷

Cap.(µF)	100		160		200			250			315			350			400				
180													35x50	0.8	0.1	35x50	0.8	0.1	35x50	0.8	0.1
220													35x50	0.9	0.1	35x50	0.9	0.1	35x50	0.9	0.1
270										35x50	0.8	0.2	35x50	1	0.1	35x50	1	0.1	35x50	1	0.1
330							35x50	0.9	0.2	35x50	0.9	0.2	35x50	1.1	0.1	35x50	1.1	0.1	35x60	1.2	0.1
390							35x50	1	0.2	35x50	1	0.2	35x50	1.2	0.1	35x60	1.3	0.1	35x60	1.3	0.1
470							35x50	1.1	0.2	35x50	1.1	0.2	35x60	1.4	0.1	35x60	1.4	0.1	35x80	1.4	0.1
560				35x50	1.2	0.2	35x50	1.2	0.2	35x50	1.2	0.2	35x60	1.5	0.1	35x80	1.6	0.1	35x80	1.4	0.2
680				35x50	1.3	0.2	35x50	1.3	0.2	35x60	1.4	0.2	35x80	1.7	0.2	35x80	1.6	0.2	35x100	1.7	0.2
820				35x50	1.4	0.2	35x50	1.4	0.2	35x80	1.6	0.2	35x80	1.7	0.2	35x100	1.8	0.2	35x120	2	0.2
1000				35x50	1.6	0.2	35x60	1.7	0.2	35x80	1.6	0.2	35x100	2	0.2	35x120	2.2	0.2	50x80	2.2	0.2
1200				35x60	1.9	0.2	35x60	1.9	0.2	35x80	1.8	0.2	35x120	2.4	0.2	50x80	2.4	0.2	50x100	2.7	0.2
1500				35x60	2.1	0.2	35x80	2.3	0.2	35x100	2.1	0.2	50x80	2.7	0.2	50x100	3	0.2	50x120	3.3	0.2
1800	35x50	2.7	0.1	35x80	2.5	0.2	35x80	2.5	0.2	35x120	2.5	0.2	50x100	3.3	0.2	50x120	3.6	0.2			
2200	35x50	3	0.1	35x80	2.8	0.2	35x100	3	0.2	50x80	2.9	0.2	50x120	4	0.2	50x120	4	0.2	63.5x100	4.2	0.2
2700	35x60	3.5	0.1	35x100	3.3	0.2	35x120	3.6	0.2	50x100	3.5	0.2	50x120	4.4	0.2	63.5x100	4.6	0.2			
3300	35x80	4.2	0.1	35x120	3.8	0.2	50x80	4.1	0.2	50x120	4.2	0.2	63.5x100	5.1	0.2				63.5x120	5.5	0.2
3900	35x80	4.2	0.1	50x80	3.8	0.2	50x100	4.9	0.2	50x120	4.6	0.2	63.5x120	6	0.2	76x120	6.7	0.2			
4700	35x100	5	0.1	50x100			63.5x100		0.2	63.5x120	5.7	0.2	76x100	6.8	0.2				76x130	7.6	0.2
5600	35x100	5.4	0.1	50x100	5.1	0.2	63.5x100	5.8	0.2	63.5x120	6.3	0.2	76x120	8	0.2	76x130	8.3	0.2	89x140	9.4	0.2
6800	35x120	5.8	0.2	50x120	6.1	0.2	63.5x120	6.9	0.2	76x120	7.7	0.2	76x130	9.2	0.2	76x140	9.5	0.2	89x140	10	0.2
8200	50x80	6.4	0.2	63.5x100	7	0.2	63.5x120	7.6	0.2	76x120	8.4	0.2	89x140	11	0.2	89x140	11	0.2			
10000	50x100	7.8	0.2	63.5x120	8.4	0.2	76x120	9.3	0.2	76x140	10	0.2	89x140	13	0.2						
12000	50x120	9.3	0.2	76x100	9.4	0.2	76x120	10	0.2	89x140	12	0.2									
15000	50x120	10	0.2	76x120	11	0.2	76x140	12	0.2												
18000	63.5x100	10	0.2	76x140	13	0.2	89x140	13	0.3												
22000	63.5x120	13	0.2	89x140	15	0.3															
27000	76x120	14	0.3	89x140	16	0.3															
33000	76x120	15	0.3																		
39000	76x140	16	0.3																		
47000	89x140	19	0.3																		
56000	89x140	21	0.3																		