

TT 螺栓型宽温品

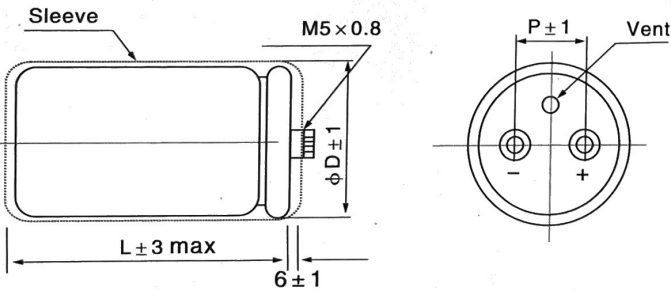
小体积,高耐压,容量和纹波电流,具有稳定和可靠的性能.
Small case size,high rated voltage,capactiance and ripplecurrent,stable and reliable performance,forming complete sets of unclear electric station.
适用于工业和电子设备，如计算机、程控交换机等的滤波和储能中。
Suit for use in electronic and industrial equipments suchas computer,programming control exchanger for power supplies filtering and energy storing.



Specifications

项目 Items	特性 Characteristics	
工作温度范围 Operating temperature range	-40~+105℃	-25~+105℃
额定电压范围 Rated voltage range	10V~100V DC	160V~450V DC
静电容量范围 Nominal capacitance range	180 µ F~68000 µ F	
静电容量误差 Capacitance toletance	± 20% (120Hz · 20℃)	
漏电流 (20℃) Leakage current(20℃)	I≤0.02CV or 5 mA after 5 minute (whichever is greater) I: Leakage current C: Normarl capacitance V: Rated voltage	
损耗角正切 Dissipation factor (120Hz · 20℃)	see tabie of ratings	
高温负荷特性 Load Life	After applying rated for 2000 hours at 105℃ then resumed 16 hours:	
	Capacitance change	Within ± 20% of the initial measured value
	tg δ	≤200% of the initial spectified value
	Leakage current	≤initial specified value
高温贮存特性 Shelf Life	After storage for 1000 hours at 105℃ then resumed 16 hours:	
	Capacitance change	Within ± 20% of the initial measured value
	tg δ	≤200% of the initial spectified value
	Leakage current	≤initial specified value

Diagram of Dimensions(mm)



φ D	36	51	64	77	90
P	12.7	22	28.2	31.4	31.4

Multiplier for Ripple Current vs. Frequency:

Frequency	50	120	300	1K	≥10K
Factor	0.80	1.00	1.10	1.25	1.40

Multiplier for Ripple Current vs. Temperature:

Temperature℃	40	55	70	85	105
Factor	2.70	2.50	2.10	1.70	1.00

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Standard Ratings

WV(Coad)		10V			16V			25V			35V		
C(uf)	Coad	D x L	tg δ	R.C.	D x L	tg δ	R.C.	D x L	tg δ	R.C.	D x L	tg δ	R.C.
8200	822	—	—	—	—	—	—	—	—	—	36 x 50	0.30	3.3
10000	103	—	—	—	—	—	—	—	—	—	36 x 50	0.30	3.6
12000	123	—	—	—	—	—	—	36 x 50	0.35	3.7	36 x 60	0.30	4.2
15000	153	—	—	—	—	—	—	36 x 50	0.35	4.1	36 x 60	0.30	4.7
18000	183	—	—	—	36 x 50	0.40	4.2	36 x 60	0.35	4.8	36 x 80	0.30	5.7
22000	223	—	—	—	36 x 50	0.40	4.7	36 x 60	0.35	5.3	36 x 80	0.30	6.3
27000	273	36 x 50	0.45	4.9	36 x 60	0.40	5.5	36 x 80	0.35	6.4	36 x 100	0.30	7.5
33000	333	36 x 50	0.50	5.1	36 x 60	0.45	5.7	36 x 80	0.40	6.7	36 x 120	0.30	9.0
39000	393	36 x 60	0.50	5.9	36 x 80	0.45	6.8	36 x 100	0.40	7.8	51 x 80	0.35	9.2
47000	473	36 x 80	0.50	7.1	36 x 80	0.50	7.1	36 x 120	0.40	9.3	51 x 100	0.35	11.2
56000	563	36 x 80	0.60	7.1	36 x 100	0.50	8.4	51 x 80	0.45	9.7	51 x 100	0.40	11.4
68000	683	36 x 100	0.60	8.5	36 x 100	0.55	8.8	51 x 100	0.45	11.2	51 x 120	0.40	13.6
82000	823	36 x 100	0.65	8.9	51 x 80	0.55	10.7	51 x 100	0.50	11.2	64 x 100	0.45	14.8
100000	104	36 x 120	0.65	10.7	51 x 80	0.65	10.8	51 x 120	0.50	14.8	64 x 120	0.45	17.6
120000	124	51 x 80	0.75	11.0	51 x 100	0.65	13.1	64 x 100	0.65	14.9	64 x 120	0.55	17.6
150000	154	51 x 100	0.80	13.2	51 x 120	0.70	15.3	64 x 120	0.65	17.9	77 x 120	0.65	19.8
180000	184	51 x 120	0.80	15.7	51 x 120	0.80	15.7	64 x 120	0.80	17.9	77 x 120	0.80	19.8
220000	224	51 x 120	0.85	16.8	64 x 120	0.85	19.2	77 x 120	0.85	21.3	77 x 120	0.80	23.4
270000	274	64 x 120	1.00	19.6	64 x 120	1.00	19.6	77 x 120	1.00	21.7	90 x 120	1.00	25.5
330000	334	64 x 120	1.20	19.7	77 x 120	1.30	21.1	77 x 140	1.20	23.4	—	—	—
390000	394	77 x 120	1.50	21.3	77 x 120	1.50	21.3	90 x 140	1.50	24.9	—	—	—
470000	474	77 x 120	1.80	21.4	77 x 140	1.60	24.2	—	—	—	—	—	—
560000	564	77 x 140	2.00	23.6	90 x 140	2.00	28.1	—	—	—	—	—	—
680000	684	90 x 140	2.40	26.0	90 x 140	2.40	28.5	—	—	—	—	—	—

WV(Coad)		50V			63V			80V			100V		
C(uf)	Coad	D x L	tg δ	R.C.	D x L	tg δ	R.C.	D x L	tg δ	R.C.	D x L	tg δ	R.C.
1800	182	—	—	—	—	—	—	36 x 50	0.15	2.4	36 x 50	0.10	2.7
2200	222	—	—	—	—	—	—	36 x 50	0.15	2.7	36 x 50	0.10	3.0
2700	272	—	—	—	36 x 50	0.20	2.3	36 x 50	0.15	3.0	36 x 60	0.10	3.5
3300	332	—	—	—	36 x 50	0.20	2.5	36 x 50	0.15	3.4	36 x 60	0.10	4.2
3900	392	36 x 50	0.20	2.8	36 x 50	0.20	2.8	36 x 60	0.15	3.7	36 x 80	0.12	4.2
4700	472	36 x 50	0.20	3.1	36 x 50	0.20	3.1	36 x 60	0.15	4.5	36 x 80	0.12	5.0
5600	562	36 x 50	0.20	3.3	36 x 60	0.20	3.5	36 x 80	0.15	4.9	36 x 100	0.12	5.4
6800	682	36 x 50	0.25	3.3	36 x 60	0.20	3.9	36 x 80	0.15	5.1	36 x 120	0.15	5.8
8200	822	36 x 60	0.25	3.8	36 x 80	0.20	4.7	36 x 100	0.20	6.1	51 x 80	0.15	6.4
10000	103	36 x 80	0.25	4.6	36 x 80	0.25	4.7	36 x 120	0.20	6.7	51 x 100	0.15	7.8
12000	123	36 x 80	0.25	5.1	36 x 80	0.25	5.5	51 x 80	0.20	6.7	51 x 120	0.15	9.3
15000	153	36 x 80	0.25	5.7	36 x 100	0.25	6.6	51 x 80	0.20	8.3	51 x 120	0.15	10.4
18000	183	36 x 80	0.25	6.7	36 x 120	0.25	7.4	51 x 100	0.20	9.9	51 x 120	0.20	10.4
22000	223	36 x 100	0.25	8.1	51 x 80	0.25	9.0	51 x 120	0.20	11.0	64 x 100	0.20	12.5
27000	273	36 x 120	0.25	9.1	51 x 100	0.25	10.9	51 x 120	0.20	11.4	64 x 120	0.20	12.5
33000	333	51 x 80	0.25	11.1	51 x 120	0.25	12.0	64 x 100	0.25	13.9	64 x 120	0.25	13.7
39000	393	51 x 100	0.25	13.1	51 x 120	0.25	12.5	64 x 120	0.30	13.9	77 x 120	0.25	15.2
47000	473	51 x 120	0.30	13.9	64 x 100	0.30	14.9	77 x 120	0.30	16.5	77 x 140	0.30	16.1
56000	563	64 x 100	0.35	16.6	64 x 120	0.30	16.3	77 x 140	0.30	18.1	90 x 140	0.30	21.1
68000	683	64 x 120	0.40	18.9	77 x 120	0.35	18.4	77 x 140	0.35	19.7	—	—	—
82000	823	77 x 120	0.45	19.5	77 x 140	0.40	20.0	90 x 140	0.40	22.1	—	—	—
100000	104	77 x 120	0.55	19.5	77 x 140	0.50	20.0	—	—	—	—	—	—
120000	124	77 x 120	0.60	23.9	90 x 140	0.60	21.8	—	—	—	—	—	—
150000	154	90 x 140	0.75	23.9	—	—	—	—	—	—	—	—	—
180000	184	90 x 140	—	—	—	—	—	—	—	—	—	—	—

Case size: φ D x L (mm)

Permit ripple current : (Arms, 105℃, 120HZ)

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Standard Ratings

WV(Coad)		160V			200V			250V		
C(uf)	Coad	$\phi D \times L$	tg δ	R.C.	$\phi D \times L$	tg δ	R.C.	$\phi D \times L$	tg δ	R.C.
270	271	—	—	—	—	—	—	36 × 50	0.15	0.8
330	331	—	—	—	36 × 50	0.15	0.9	36 × 50	0.15	0.9
390	391	—	—	—	36 × 50	0.15	1.0	36 × 50	0.15	1.0
470	471	—	—	—	36 × 50	0.15	1.1	36 × 50	0.15	1.1
560	561	36 × 50	0.15	1.2	36 × 50	0.15	1.2	36 × 50	0.15	1.2
680	681	36 × 50	0.15	1.3	36 × 50	0.15	1.3	36 × 60	0.15	1.4
820	821	36 × 50	0.15	1.4	36 × 50	0.15	1.4	36 × 80	0.15	1.6
1000	102	36 × 50	0.15	1.6	36 × 60	0.15	1.7	36 × 80	0.20	1.6
1200	122	36 × 60	0.15	1.9	36 × 60	0.15	1.9	36 × 80	0.20	1.8
1500	471	36 × 60	0.15	2.1	36 × 80	0.15	2.3	36 × 100	0.20	2.1
1800	681	36 × 80	0.15	2.5	36 × 80	0.15	2.5	36 × 120	0.20	2.5
2200	102	36 × 80	0.15	2.8	36 × 100	0.15	3.0	51 × 80	0.20	2.9
2700	272	36 × 100	0.15	3.3	36 × 120	0.15	3.6	51 × 100	0.20	3.5
3300	332	36 × 120	0.15	3.8	51 × 80	0.15	4.1	51 × 120	0.20	4.2
3900	392	51 × 80	0.20	3.8	51 × 100	0.20	4.9	51 × 120	0.20	4.6
4700	472	51 × 100	0.20	4.6	64 × 100	0.20	5.3	64 × 120	0.20	5.7
5600	562	51 × 100	0.20	5.1	64 × 100	0.20	5.8	64 × 120	0.20	6.3
6800	682	51 × 120	0.20	6.1	64 × 120	0.20	6.9	77 × 120	0.20	7.7
8200	822	64 × 100	0.20	7.0	64 × 120	0.20	7.6	77 × 120	0.20	8.4
10000	103	64 × 120	0.20	8.4	77 × 120	0.20	9.3	77 × 140	0.20	10.0
12000	123	77 × 100	0.20	9.4	77 × 120	0.20	10.2	90 × 140	0.20	11.9
15000	153	77 × 120	0.20	11.4	77 × 140	0.20	12.2	—	—	—
18000	183	77 × 140	0.20	13.4	90 × 140	0.25	13.1	—	—	—
22000	223	90 × 140	0.25	14.5	—	—	—	—	—	—
27000	273	90 × 140	0.25	16.0	—	—	—	—	—	—

WV(Coad)		350V			400V			450V		
C(uf)	Coad	$\phi D \times L$	tg δ	R.C.	$\phi D \times L$	tg δ	R.C.	$\phi D \times L$	tg δ	R.C.
180	181	36 × 50	0.10	0.8	36 × 50	0.10	0.8	—	—	—
220	221	36 × 50	0.10	0.9	36 × 50	0.10	0.9	36 × 50	0.15	1.1
270	271	36 × 50	0.10	1.0	36 × 50	0.10	1.0	—	—	—
330	331	36 × 50	0.10	1.1	36 × 60	0.10	1.2	36 × 80	0.15	1.5
390	391	36 × 50	0.10	1.3	36 × 60	0.10	1.3	—	—	—
470	471	36 × 60	0.10	1.4	36 × 80	0.10	1.4	—	—	—
560	561	36 × 80	0.10	1.6	36 × 80	0.15	1.4	51 × 80	0.15	2.2
680	681	36 × 80	0.15	1.6	36 × 100	0.15	1.7	—	—	—
820	821	36 × 80	0.15	1.8	36 × 120	0.15	2.0	51 × 90	0.15	2.7
1000	102	36 × 100	0.15	2.2	51 × 80	0.15	2.2	—	—	—
1200	122	36 × 120	0.15	2.4	51 × 100	0.15	2.7	51 × 100	0.15	4.2
1500	152	51 × 80	0.15	3.0	51 × 120	0.15	3.3	—	—	—
1800	182	51 × 100	0.15	3.6	—	—	—	51 × 130	0.15	5.7
2200	222	51 × 120	0.15	4.0	64 × 100	0.15	4.2	—	—	—
2700	272	51 × 120	0.15	4.6	—	—	—	64 × 110	0.15	7.3
3300	332	64 × 120	—	—	64 × 120	0.15	5.5	—	—	—
3900	392	64 × 120	0.15	6.7	—	—	—	77 × 130	0.15	10.1
4700	472	77 × 120	—	—	77 × 130	0.15	7.6	—	—	—
5600	562	77 × 120	0.15	8.3	90 × 140	0.15	9.4	77 × 150	0.15	12.6
6800	682	77 × 140	0.15	9.5	90 × 140	0.15	10.4	90 × 150	0.15	15.8
8200	822	90 × 140	0.15	11.4	—	—	—	—	—	—
10000	103	—	—	—	—	—	—	—	—	—

Case size: $\phi D \times L$ (mm)