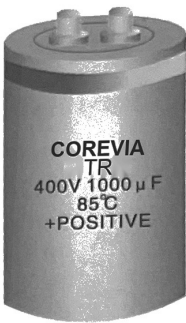


TR 螺栓型标准品

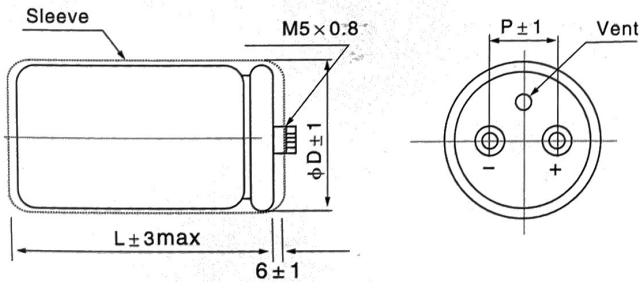


小体积,高耐压,容量和纹波电流,具有稳定和可靠的性能.
Small case size,high rated voltage,capactiance and ripple current,stable and reliable performance,forming complete sets of unclear electric station.
适用于工业和电子设备, 如计算机、程控交换机等的滤波和储能中.
Suit for use in electronic and industrial equipments suchas computer, programming control exchanger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

Specifications

项目 Items	特性 Characteristics	
工作温度范围 Operating temperature range	-40~+85℃	-25~+85℃
额定电压范围 Rated voltage range	10V~100V DC	160V~450V DC
静电容量范围 Nominal capacitance range	270 μ F~ 82000μ 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: Normantl capacitance V: Rated voltage	
损耗角正切 Dissipation factor (120Hz · 20℃)	see table of ratings	
高温负荷特性 Load Life	After applying rated for 2000 hours at 85℃ then resumed 16 hours:	
	Capacitance change	Within ± 20% of the initial measured value
	tg δ	≤200% of the initial specified value
	Leakage current	≤initial specified value
高温贮存特性 Shelf Life	After storage for 1000 hours at 85℃ then resumed 16 hours:	
	Capacitance change	Within ± 20% of the initial measured value
	tg δ	≤200% of the initial specified 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:

voltage(V)\Hz	50	120	300	1K	3K	5K	10K	≥20K
10~50	0.95	1.00	1.04	1.10	1.12	1.13	1.15	1.15
63~100	0.95	1.00	1.06	1.16	1.22	1.26	1.30	1.36
160~450	0.80	1.00	1.10	1.25	1.35	1.40	1.50	1.55

Multiplier for Ripple Current vs. Temperature:

Temperature℃	45	60	70	85
Factor	2.70	2.00	1.68	1.00

TR 螺栓型标准品

Standard Ratings

WV(Coad)		10V			16V			25V			35V		
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.	$\phi D \times L$	tg δ	R.C.
15000	153	—	—	—	—	—	—	—	—	—	36 × 50	0.30	3.9
18000	183	—	—	—	—	—	—	—	—	—	—	—	—
22000	223	—	—	—	—	—	—	36 × 50	0.35	4.0	—	—	—
27000	273	—	—	—	—	—	—	—	—	—	—	—	—
33000	333	—	—	—	36 × 50	0.45	4.2	—	—	—	—	—	—
39000	393	36 × 50	0.60	4.7	—	—	—	36 × 80	0.40	6.2	36 × 100	0.40	6.0
47000	473	—	—	—	—	—	—	36 × 100	0.40	7.4	36 × 120	0.45	7.0
56000	563	—	—	—	36 × 80	0.60	6.5	36 × 120	0.45	8.3	—	—	—
68000	683	—	—	—	—	—	—	—	—	—	51 × 80	0.50	9.0
82000	823	36 × 80	0.60	7.4	36 × 100	0.70	8.0	51 × 80	0.50	9.7	51 × 100	0.55	10.3
100000	104	36 × 100	0.70	8.0	36 × 120	0.70	9.6	51 × 100	0.60	10.8	—	—	—
120000	124	36 × 120	0.70	9.4	51 × 80	0.80	9.6	51 × 120	0.60	12.8	51 × 120	0.60	12.8
150000	154	51 × 80	0.90	9.8	51 × 100	0.90	11.2	—	—	—	64 × 100	0.70	14.0
180000	184	—	—	—	—	—	—	64 × 100	0.75	14.7	64 × 120	0.70	16.6
220000	224	51 × 100	1.00	12.1	51 × 120	1.00	14.2	64 × 100	0.80	16.8	77 × 100	0.75	17.3
270000	274	51 × 120	1.20	13.6	64 × 100	1.20	15.3	77 × 100	0.90	18.3	77 × 120	0.80	19.8
330000	334	—	—	—	64 × 120	1.30	17.1	77 × 120	1.00	20.7	77 × 140	0.90	22.5
390000	394	64 × 100	1.50	15.3	77 × 100	1.60	18.0	77 × 140	1.20	22.1	—	—	—
470000	474	64 × 120	2.00	16.0	77 × 100	1.80	19.3	—	—	—	90 × 140	1.00	28.3
560000	564	77 × 100	2.50	17.3	77 × 140	2.00	20.7	90 × 140	1.50	25.8	—	—	—
680000	684	77 × 120	3.00	18.7	—	—	—	—	—	—	—	—	—

WV(Coad)		50V			63V			80V			100V		
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.	$\phi D \times L$	tg δ	R.C.
2200	222	—	—	—	—	—	—	—	—	—	35 × 50	0.10	2.5
2700	272	—	—	—	—	—	—	—	—	—	—	—	—
3300	332	—	—	—	—	—	—	36 × 50	0.15	2.5	—	—	—
3900	392	—	—	—	—	—	—	—	—	—	—	—	—
4700	472	—	—	—	—	—	—	—	—	—	36 × 80	0.15	3.4
5600	562	—	—	—	36 × 50	0.20	3.0	—	—	—	—	—	—
6800	682	—	—	—	—	—	—	36 × 80	0.20	3.7	36 × 100	0.15	4.2
8200	822	—	—	—	—	—	—	—	—	—	36 × 120	0.15	5.0
10000	103	36 × 50	0.25	4.1	36 × 80	0.25	4.0	36 × 100	0.20	4.9	51 × 80	0.20	5.2
12000	123	—	—	—	—	—	—	36 × 120	0.20	5.4	—	—	—
15000	153	—	—	—	36 × 100	0.25	5.3	51 × 80	0.25	6.0	—	—	—
18000	183	36 × 80	0.25	5.2	36 × 120	0.25	6.2	—	—	—	51 × 120	0.20	8.1
22000	223	36 × 100	0.30	5.9	51 × 80	0.30	6.5	51 × 100	0.30	7.1	64 × 100	0.25	8.6
27000	273	36 × 120	0.35	6.6	—	—	—	51 × 120	0.30	8.6	64 × 120	0.25	10.3
33000	333	—	—	—	51 × 100	0.35	8.1	64 × 100	0.35	9.3	77 × 100	0.25	11.1
39000	393	51 × 80	0.40	7.4	51 × 120	0.35	9.6	—	—	—	77 × 120	0.25	12.4
47000	473	—	—	—	64 × 100	0.40	10.2	64 × 120	0.35	12.0	77 × 140	0.25	14.3
56000	563	51 × 100	0.40	9.8	—	—	—	—	—	—	—	—	—
68000	683	51 × 120	0.45	11.1	64 × 120	0.45	13.3	77 × 120	0.35	15.4	90 × 140	0.30	18.0
82000	823	64 × 100	0.50	12.2	—	—	—	77 × 140	0.35	18.1	—	—	—
100000	104	—	—	—	77 × 120	0.45	17.1	90 × 140	0.40	21.0	—	—	—
120000	124	64 × 120	0.50	16.0	77 × 140	0.50	19.0	—	—	—	—	—	—
150000	154	77 × 120	0.60	18.1	90 × 140	0.55	22.0	—	—	—	—	—	—
180000	184	77 × 140	0.70	19.5	—	—	—	—	—	—	—	—	—
220000	224	—	—	—	—	—	—	—	—	—	—	—	—
270000	274	90 × 140	0.80	24.6	—	—	—	—	—	—	—	—	—

Permit ripple current: (Arms, 85°C, 120HZ)

Casesize: $\phi D \times L$ (mm)

TR 螺栓型标准品

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.
560	561	—	—	—	—	—	—	35 × 50	0.15	1.3
680	681	—	—	—	—	—	—	—	—	—
820	821	—	—	—	36 × 50	0.15	1.6	—	—	—
1000	102	—	—	—	—	—	—	—	—	—
1200	122	36 × 50	0.15	2.0	—	—	—	36 × 80	0.15	2.3
1500	152	—	—	—	—	—	—	36 × 100	0.15	3.0
1800	182	—	—	—	36 × 80	0.15	2.8	36 × 120	0.15	3.3
2200	222	36 × 80	0.15	3.4	36 × 100	0.15	3.6	51 × 80	0.15	3.7
2700	272	36 × 100	0.15	3.7	36 × 120	0.15	4.0	—	—	—
3300	332	36 × 120	0.15	4.5	51 × 80	0.15	4.5	51 × 100	0.15	5.1
3900	392	—	—	—	—	—	—	51 × 120	0.15	5.9
4700	472	51 × 80	0.20	5.6	51 × 100	0.15	7.1	64 × 100	0.20	6.9
5600	562	—	—	—	51 × 120	0.15	8.2	—	—	—
6800	682	51 × 100	0.20	7.5	—	—	—	64 × 120	0.20	8.7
8200	822	51 × 120	0.20	8.1	64 × 100	0.20	10.0	—	—	—
10000	103	64 × 100	0.20	9.8	64 × 120	0.20	11.0	77 × 120	0.20	11.1
12000	123	64 × 120	0.20	10.8	77 × 100	0.20	11.5	77 × 140	0.20	13.0
15000	153	77 × 100	0.20	12.7	77 × 120	0.20	12.8	90 × 140	0.20	14.9
18000	183	77 × 120	0.20	14.0	77 × 140	0.20	15.0	—	—	—
22000	223	77 × 140	0.20	16.6	90 × 140	0.25	15.6	—	—	—
27000	273	—	—	—	—	—	—	—	—	—
33000	333	90 × 140	0.25	18.9	—	—	—	—	—	—

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.
270	271	—	—	—	—	—	—	36 × 50	0.25	1.6
330	331	—	—	—	36 × 50	0.25	1.7	—	—	—
390	391	36 × 50	0.25	1.9	—	—	—	36 × 80	0.25	2.4
470	471	—	—	—	—	—	—	—	—	—
560	561	—	—	—	36 × 80	0.25	2.7	36 × 100	0.25	3.1
680	681	36 × 80	0.25	2.9	—	—	—	36 × 120	0.25	3.5
820	821	—	—	—	36 × 100	0.25	3.4	51 × 70	0.25	3.9
1000	102	36 × 100	0.25	3.8	36 × 120	0.25	3.9	51 × 90	0.25	4.7
1200	122	36 × 120	0.25	4.2	51 × 70	0.25	4.2	51 × 110	0.25	5.6
1500	152	51 × 70	0.25	4.7	—	—	—	51 × 130	0.25	6.5
1800	182	—	—	—	51 × 90	0.25	5.7	64 × 90	0.25	7.2
2200	222	51 × 90	0.25	6.3	51 × 130	0.25	7.2	64 × 110	0.25	8.6
2700	272	—	—	—	64 × 90	0.25	7.9	77 × 90	0.25	9.7
3300	332	51 × 130	0.25	8.8	64 × 110	0.25	9.5	77 × 110	0.25	11.5
3900	392	64 × 110	0.25	9.3	77 × 90	0.25	10.5	77 × 130	0.25	13.3
4700	472	64 × 130	0.25	12.0	77 × 110	0.25	12.6	77 × 150	0.25	15.7
5600	562	77 × 110	0.25	12.6	77 × 130	0.25	14.5	—	—	—
6800	682	77 × 130	0.25	15.9	77 × 150	0.25	17.3	90 × 150	0.25	18.6
8200	822	77 × 150	0.25	19.0	—	—	—	—	—	—
10000	103	—	—	—	90 × 150	0.25	20.5	—	—	—
12000	123	90 × 150	0.25	22.5	—	—	—	—	—	—

Permit ripple current : (Arms, 85°C, 120HZ)

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