

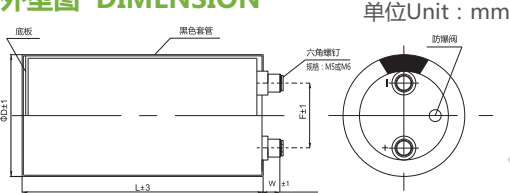
产品特点 PRODUCT FEATURES

- +105℃加额定纹波电流保证寿命5000小时以上
Guaranteed operating life of more than 5000 hours at +105℃
- 符合RoHS标准
RoHS Compliant



项 目 Items		特性参数 Characteristics												
使用温度范围 Operating Temperature Range		10V ~ 100V: -40℃~+105℃, 160V ~ 450V: -25℃~+105℃												
额定电压范围 Rated Voltage Range		10V~450V												
容量允许偏差(20℃,120Hz) Capacitance Tolerance		±20%(at 20℃ , 120HZ)												
漏电流(20℃) Leakage Current		施加额定电压达到规定时间后，性能需满足以下要求： The following specification shall be satisfied when the rated voltage is applied for the required time $I \leq 3 \sqrt{C_R U_R}$ (μA) or 5 mA(5min), whichever is less (施加额定电压5分钟后) 取小者 I：漏电流 Leakage Current(μA) C：容量 Nominal Capacitance (μF) V：工作电压 Working Voltage(V)												
损耗角正切值(20℃,120Hz) Dissipation Factor	W.V(V)		10	16	25	35	50	63	80	100	160~250	350~450		
	D	L												
	51	80~100	0.8	0.6	0.5	0.4	0.25	0.25	0.2	0.15	0.15	0.2		
		120	0.85	0.6	0.5	0.4	0.3	0.25	-	-	-	0.2		
	63.5	100	-	-	0.65	-	0.35	0.3	0.25	0.2	0.2	0.2		
		110~130	1.2	0.8	0.7	0.5	0.35	0.3	-	-	0.2	0.2		
	76.2	100	2.0	1.2	0.9	0.7	0.55	0.5	0.3	0.3	-	0.2		
		120~150	2.0	1.2	0.9	0.7	0.55	0.5	0.35	0.3	0.25			
	89	140~150	2.4	2.0	1.5	1.0	0.75	0.6	0.4	0.3	0.25	0.2		
	当电容超过10000 μF ，每增加10000 μF ，Tan δ 需增加0.025 When capacitance is over 10000 μF , Tan δ shall be added 0.025 to listed value with increase of every each 10000 μF													
温度特性 Temperature Stability	阻抗比 Impedance ratio (120 Hz)													
	Rated Voltage (V)		10~16				25~100				160~450			
	Z-25℃/Z+20℃		4				3				7			
	Z-40℃/Z+20℃		12				6				-			
高温负荷特性 Load Life	在+105℃下,对电容器施加含额定纹波电流的额定工作电压5000小时,经恢复后： After 5000 hours application of WV at +105℃, the capacitors shall meet the following limits													
	电容量变化 Capacitance Change		≤初始值的±20% ≤±20% of initial value											
	损耗角正切值 Dissipation Factor		≤2倍规定值 ≤200% of initial specified value											
	漏电流 Leakage Current		≤规定值 ≤initial specified value											
高温贮存特性 Shelf Life	电容器在+105℃下，存放1000小时后，施加额定电压30分钟，经恢复后： At +105℃ no voltage applied after 1000 hours, the capacitors application of WV 30minutes shall meet the following limits													
	电容量变化 Capacitance Change		≤初始值的±20% ≤±20% of initial value											
	损耗角正切值 Dissipation Factor		≤2倍规定值 ≤200% of initial specified value											
	漏电流 Leakage Current		≤规定值 ≤initial specified value											

外型图 DIMENSION



单位Unit : mm

ΦD	51	63.5	76.2	89
F	22.0	28.6	31.8	
W	6		6	

纹波电流修正系数 MULTIPLIER FOR RIPPLE CURRENT

频率系数 Frequency coefficient					
Ambient Frequency (Hz)		50	120	1K	10K
Coefficient	10V ~ 100V	0.8	1.00	1.15	1.15
	160V ~ 450V	0.8	1.00	1.15	1.20

规格尺寸表 RATINGS FOR SERIES

Size $\phi D \times L$ (mm), Ripple Current (A r.m.s./+105℃,120 Hz)

WV (V) ITEM C (μF)	10		16		25		35		50		63		80		100	
	D×L	R.C.	D×L	R.C.	D×L	R.C.	D×L	R.C.	D×L	R.C.	D×L	R.C.	D×L	R.C.	D×L	R.C.
6800															51×80	5.2
10000													51×80	5.4	51×100	6.7
15000											51×80	5.9	51×100	6.4	63.5×100	7.8
22000									51×80	6.3	51×100	6.9	63.5×100	8.4	76.2×100	9.9
33000							51×80	7.4	51×120	8.0	51×120	9.4	76.2×100	9.9	76.2×140	12.7
47000					51×80	8.3	51×100	8.4	63.5×100	9.9	63.5×120	11.2	76.2×120	13.4	89×140	17.0
68000	51×80	6.8	51×80	7.1	51×120	10.2	51×120	12.3	63.5×120	12.8	76.2×120	13.5	89×140	17.0		
100000	51×100	8.6	51×100	9.6	63.5×100	11.5	63.5×120	13.6	76.2×120	16.8	89×140	17.8				
150000	51×120	10.8	51×120	11.0	63.5×120	13.8	76.2×120	15.1	89×140	19.5						
220000	63.5×120	13.2	63.5×120	14.1	76.2×120	17.0	89×140	17.4								
330000	76.2×120	15.8	76.2×120	20.6	89×140	20.8										
470000	89×140	17.0	89×140	22.1												
680000	89×170	18.4	89×170	24.0												
1000000	89×220	20.1	89×220	26.1												

规格尺寸表 RATINGS FOR SERIES

Size $\phi D \times L$ (mm), Ripple Current (A r.m.s./+105℃,120 Hz)

WV (V) ITEM C (μF)	160		200		250		350		400		450	
	D×L	R.C.	D×L	R.C.	D×L	R.C.	D×L	R.C.	D×L	R.C.	D×L	R.C.
470											51×80	3.4
680							51×80	4.1	51×80	4.2	51×100	4.4
1000							51×80	6.5	51×80	6.6	51×100	7.0
1500					51×80	2.4	51×100	8.6	51×120	9.1	51×120	9.2
2200			51×80	2.9	51×100	3.2	51×120	11.0	63.5×120	11.5	63.5×110	11.8
3300	51×80	3.8	51×100	3.9	63.5×100	4.3	63.5×110	14.4	63.5×130	15.4	76.2×130	17.1
4700	51×100	4.5	63.5×100	5.1	63.5×120	5.9	76.2×120	19.7	76.2×130	20.3	76.2×155	21.7
6800	63.5×100	6.8	63.5×120	7.0	76.2×120	7.1	76.2×155	26.2	89×155	26.9		
10000	63.5×120	7.8	76.2×120	8.2	89×140	9.6						
15000	76.2×120	9.8	76.2×140	10.4								
22000	76.2×140	12.5	89×140	15.1								
33000	89×140	13.4										