

产品特点 PRODUCT FEATURES

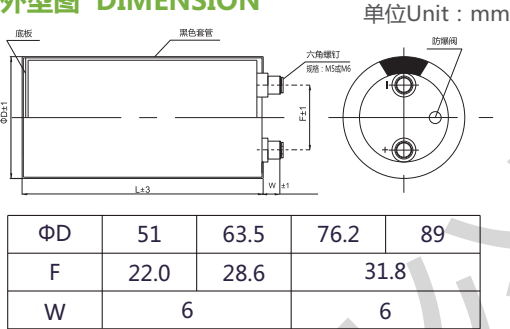
- +105°C加额定纹波电流保证寿命3000小时以上
Guaranteed operating life of more than 3000 hours at +105°C
- 符合RoHS标准
RoHS Compliant



特性表 SPECIFICATIONS

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%(M)											
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10000μF，每增加10000μF，Tanδ需增加0.025 When capacitance is over 10000μF, Tanδshall be added 0.025 to listed value with increase of every each 10000μF												
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3000小时,经恢复后： After 3000 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



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 φD×L (mm), Ripple Current (A r.m.s/+105°C,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												

规格尺寸表 RATINGS FOR SERIES

Size φD×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										