

产品特点 PRODUCT FEATURES

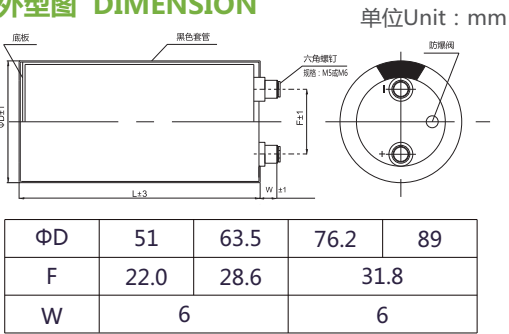
- +85℃加额定纹波电流保证寿命2000小时以上
Guaranteedoperating life of more than 2000 hours at +85℃ with rated ripple current applied
- 符合RoHS标准
RoHS Compliant



特性表 SPECIFICATIONS

项 目 Items	特性参数 Characteristics				
使用温度范围 Operating Temperature Range	10V ~ 250V: -40℃~+85℃, 350V ~ 600V: -25℃~+85℃				
额定电压范围 Rated Voltage Range	10V~600V				
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)		Tanδ		
	10		0.8 until 50000μF		
	16		0.7 until 50000μF		
	25,35		0.5 until 50000μF		
	50~100		0.3 until 30000μF		
	160~250		0.15 until 30000μF		
	315~550		0.20 until 10000μF		
	600		0.25 until 10000μF		
	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	160~250	315~600
	Z-25℃/Z+20℃	4	3	3	8
	Z-40℃/Z+20℃	12	6	8	-
高温负荷特性 Load Life	在+85℃下,对电容器施加含额定纹波电流的额定工作电压2000小时,经恢复后： After 2000 hours application of WV at +85℃, 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+85℃下,存放1000小时, 施加额定电压30分钟,经恢复后： At +85℃ 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	1.2	1.3
	160V ~ 450V	0.8	1.00	1.3	1.4

规格尺寸表 RATINGS FOR SERIES

Size φD×L (mm), Ripple Current (A r.m.s./+85℃,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.
12000															51×70	6.2
15000													51×70	7.5	51×80	7.4
18000													51×80	8.2	51×90	8.6
22000													51×100	9.6	51×100	11
27000											51×80	8.4	51×110	10.4	51×120	12.4
33000									51×70	8.2	51×80	9.2	51×120	11.2	63.5×100	14
39000									51×80	9.4	51×90	10	63.5×100	12	63.5×120	15.6
47000							51×80	8.8	51×90	10.5	51×100	11.5	63.5×120	13.8	63.5×140	16.8
56000							51×90	9.6	51×100	11.4	51×120	12.6	63.5×130	15.6	76.2×120	18.2
68000					51×80	12.2	51×100	11	51×120	12.8	63.5×100	14.6	76.2×120	18	76.2×140	21
82000					51×100	13.5	51×110	12.2	63.5×100	13.9	63.5×120	16.8	76.2×130	21.3		
100000			51×80	11.2	51×120	14.2	51×120	13.6	63.5×120	14.8	63.5×140	17.4	89×130	23.6		
120000			51×90	12	51×120	15	63.5×100	14.8	63.5×140	16	76.2×120	20				
150000	51×80	10.2	51×110	13.5	63.5×100	16.2	63.5×120	15.6	76.2×120	18.2	76.2×140	22				
180000	51×90	12	51×120	14.6	63.5×120	17.6	63.5×140	17.2	76.2×140	20.2	89×140	24.2				
220000	51×100	13.2	63.5×100	15.5	76.2×100	18.5	76.2×130	19	89×140	22.4						
270000	63.5×80	13.6	63.5×110	17.1	76.2×120	20.5	89×120	20.4								
330000	63.5×90	15	76.2×100	18.4	76.2×140	22.1	89×140	22.5								
390000	63.5×100	16.3	76.2×120	19.5	89×140	23										
470000	63.5×110	17	76.2×130	20.5												
560000	76.2×100	18.2														
680000	76.2×120	20.5														

WV (V) ITEM C (μF)	160		180		200		250		315		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.	D×L	R.C.	D×L	R.C.
1000													51×70	3.5	51×80	3.8
1200													51×90	4.4	51×100	4.4
1500											51×80	4.6	51×100	5	51×110	5.2
1800							51×80	4.8	51×80	4.8	51×90	5.2	51×110	5.6	51×130	5.7
2200							51×90	5.5	51×100	5.8	51×110	6	51×130	6.5	63.5×100	6.6
2700							51×100	6.2	51×120	7	51×120	6.7	63.5×110	7.6	63.5×130	7.8
3300			51×70	5.8	51×80	5.6	51×120	7	63.5×100	8	63.5×100	8	63.5×120	9	76.2×110	8.6
3900	51×70	6.8	51×80	6.8	51×90	6.4	63.5×100	8.1	63.5×110	9.2	63.5×120	9	63.5×140	9.8	76.2×130	10
4700	51×80	7.6		7.6	51×100	7.2	63.5×110	9.2	63.5×120	10.4	76.2×100	9.9	76.2×115	10.5	76.2×140	11.4
5600	51×90	8.6	51×110	8.6	51×120	8.2	63.5×120	10.2	76.2×100	11.2	76.2×120	12	76.2×140	12.6	89×120	12.4
6800	51×100	9.8	51×120	9.4	63.5×90	9	76.2×100	11.4	76.2×120	12.8	76.2×130	13.5	76.2×155	14.0	89×140	14.6
													89×120	13.8		
8200	51×120	11	63.5×100	10.6	63.5×100	10.4	76.2×120	12.5	89×120	15	89×120	14.8	89×140	15.6	89×155	18.6
10000	63.5×100	12.4	63.5×120	11.5	63.5×120	11.6	76.2×140	14	89×140	17.2	89×140	16.4	89×155	17.0	89×160	22.9
12000	63.5×120	13.6	76.2×100	13.2	76.2×100	12.9	89×140	16.4								
15000	76.2×100	15	76.2×120	15.4	76.2×120	14										
18000	76.2×120	16.8	89×120	16.9	76.2×140	15.6	89×170	17.9								
22000	76.2×140	18.6	89×140	19			89×195	18.5								
2000	89×120	21.2					89×220	19.7								
33000	89×140	23.8					89×240	21.2								
47000	89×155	26.5														
56000	89×195	27.8														

WV (V) ITEM C (μF)	500		550		600	
	D×L	R.C.	D×L	R.C.	D×L	R.C.
1000	51×100	4.1	51×110	4.3	51×120	4.0
1200	51×110	4.7	63.5×110	5.0	63.5×110	4.7
1500	63.5×90	5.5	63.5×130	6.0	63.5×130	5.7
1800	63.5×110	6.5	76.2×110	6.7	76.2×130	6.9
2200	63.5×130	7.7	76.2×130	8.0	76.2×130	7.6
2700	76.2×110	8.8	76.2×155	9.4	76.2×155	9.2
3300	76.2×130	10.4	76.2×170	11.0	89×130	10.2
3900	76.2×155	12.1	89×155	12.5	89×155	12.0
4700	89×130	12.7	89×170	14.5	89×170	13.8
5600	89×155	15.9	89×195	16.6	89×195	16.0
6800	89×170	18.5	89×220	19.5	89×220	18.6
8200	89×195	21.4	89×240	21.6	89×240	21.2
10000	89×240	23.8				