CD273

产品特点 PRODUCT FEATURES

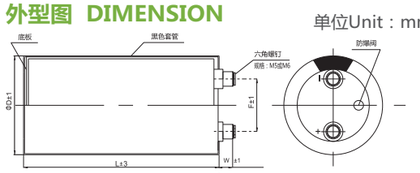
- +85℃加额定纹波电流保证寿命5000小时以上
  Guaranteed operatinglife of more than 5000 hours at +85℃
- 符合RoHS标准
  RoHS Compliant

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～450V: -25℃～+85℃				
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 $I \le 3\sqrt{C_R U_R}$ （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 10000μF			
	350~450	0.20 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5000小时,经恢复后： After 5000 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

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	1.0	1.2	1.3
	160V～450V	0.8	1.0	1.3	1.4

新元电子

CD273

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.
15000															51×80	6.0
22000													51×80	6.5	51×100	6.8
33000							51×80	9.3	51×70	7.0	51×80	8.8	51×120	9.2	51×140	10.0
47000							51×120	13.6	51×90	8.6	51×120	11.7	63.5×100	12.7	63.5×140	14.4
68000							63.5×100	14.5	51×100	11.0	63.5×100	15.0	63.5×140	15.5	76.2×140	18.2
100000					51×100	12.0	76.2×100	16.8	63.5×100	14.2	63.5×140	20.8	76.2×140	21.3	89×170	22.1
150000	51×80	10.7	51×100	11.5	51×120	15.3	76.2×140	24.8	76.2×120	18.6	76.2×140	26.0	89×170	26.5	89×220	27.0
220000	51×100	13.0	51×120	15.6	63.5×120	18.9	89×170	32.6	89×140	20.3	89×170	28.3	89×220	28.9		
330000	63.5×100	15.9	63.5×120	25.1	76.2×120	24.8	35×80	35.2	89×170	25.3	89×220	31.2				
470000	63.5×120	19.0	76.2×120	30.5	89×170	30.8	35×120	6.2	89×220	33.2						
680000	76.2×120	22.8	89×170	33.0	89×220	33.3	89×220	8.2								
1000000	89×170	27.7	89×220	36.0												
1500000	89×220	33.9														

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)	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.
1000							51x60	4.8	51x65	5.0	51x75	5.2
1200							51x70	5.5	51x75	5.8	51x88	6.3
1500							51x75	6.5	51x80	6.8	51x95	6.4
1800							51x90	7.3	51x95	7.3	51×105 63.5×85	7.6 7.6
2200					51x80	4.0	51x95	8.2	51×105 63.5×85	8.8 8.9	63.5×90 76.2×85	9.0 9.4
2700							51×105 63.5×85	9.3 9.9	51×115 63.5×90	10.2 10.8	63.5×95 76.2×90	10.5 11.0
3300			51x80	4.8	51x100	5.4	63.5×95	11.8	63.5×95 76.2×90	11.8 12.0	63.5×115 76.2×100	12.1 12.9
3900							63.5×100 76.2×85	12.8 13.0	63.5×115 76.2×95	12.8 13.0	76.2×110	14.2
4700	51x80	5.0	51x100	6.3	63.5x100	7.3	63.5×115 76.2×90	13.8 14.2	63.5×130 76.2×110	14.8 15.0	63.5×155 76.2×115	15.6 15.1
5600							63.5×130 76.2×100	17.3 16.8	63.5×155 76.2×115	17.0 16.5	63.5×195 89×120	18.7 18.6
6800	51x100	6.4	51x140	7.3	63.5x120	8.9	63.5×155 76.2×100	19.6 19.0	63.5×195 76.2×130 89×120	20.7 22.7 22.9	76.2×155 89×125	20.7 20.0
8200							63.5×195 76.2×130 89×120	22.6 21.0 24.0	76.2×155 89×120	22.7 22.9	76.2x195	22.1
10000	63.5x100	9.1	63.5x120	9.8	76.2x120	11.8	76.2×155 89×140	25.1 25.9	76.2×170 89×130	26.2 24.2	89x195	29.7
12000							89×155	28.4	89x155	28.5	89x240	35.9
15000	76.2x100	12.0	76.2x120	13.0	89x140	16.4			89x195	34.8		
18000									89x240	41.2		
22000	76.2x140	16.9	89x140	15.9	89x170	17.9						
33000	89x140	19.2	89x170	19.5	89x220	19.7						
47000	89x170	20.6	89x220	20.9								
68000	89x220	22.3										

SCREW