



UP 系列 Series

特点 Features

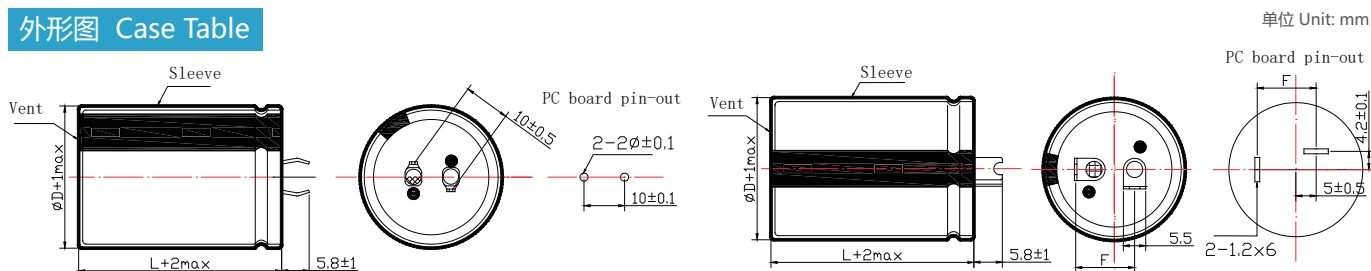
- 耐高纹波,小尺寸,105°C 2000小时。High ripple current, Smaller size, Load life of 2000 hours at 105°C.
- 适用于伺服驱动器。Suitable for servo driver.
- 超高工作电压。Ultra high voltage.
- RoHS指令已对应完毕。Adapted to the RoHS directive.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics				
使用温度范围 Operating Temperature Range	-25~+105°C				
额定电压范围 Rated Voltage Range	400~450V				
标称电容量范围 Rated Voltage Range	120~1000uF				
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, +20°C)				
漏电流 Leakage Current	0.01CV或3.0mA取较小值 5分钟测试 (at 20°C, after 5 minutes)				
损耗角正切值(tgδ) Dissipation Factor (+20°C, 120Hz)	≤0.20 (+20°C, 120Hz)				
温度特性 Temperature Characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>U_R (V)</td> <td>400~450V</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>8</td> </tr> </table>	U_R (V)	400~450V	Z-25°C/Z+20°C	8
U_R (V)	400~450V				
Z-25°C/Z+20°C	8				
耐久性 Load Life	+105°C, 施加含额定纹波电流的额定电压2000小时, 恢复16小时后: After applying rated voltage with specified ripple current for 2000 hours at +105°C and then resumed for 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value 漏电流 Leakage current : ≤初始规定值 ≤Initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2 times of the initial specified value				
高温贮存 Shelf Life	+105°C, 1000小时贮存后, 加额定工作电压处理60分钟, 恢复16小时后: After storage for 1000 hours at +105°C, U_R to be applied for 60 minutes and then resumed for 16 hours: 电容量变化率 Capacitance change : ±20%初始测量值以内 ±20% of the initial measured value 漏电流 Leakage current : ≤初始规定值 ≤Initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2 times of the initial specified value				

外形图 Case Table



频率修正系数 Frequency Coefficient

频率(Hz)	50	120	1K	10K	≥50K
U_R (V)					
400~450	0.77	1.00	1.30	1.41	1.43

尺寸 Dimensions

WV Size CAP(μF)		400								420							
		Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
150	151	22×25	0.91							22×30	0.91						
180	181	22×30	1.04							22×35	1.01	25×25	1.02				
220	221	22×35	1.18	25×25	1.15					22×40	1.15	25×30	1.16				
270	271	22×40	1.32	25×30	1.31					22×45	1.30	25×35	1.34	30×25	1.28		
330	331	22×45	1.50	25×35	1.51	30×25	1.46			22×50	1.47	25×40	1.51	30×30	1.43	35×25	1.38
390	391	22×50	1.67	25×40	1.67	30×30	1.61	35×25	1.40			25×45	1.67	30×35	1.59	35×30	1.58
470	471			25×45	1.87	30×35	1.81	35×30	1.80					30×40	1.79	35×30	1.67
560	561					30×40	2.03	35×30	1.95					30×45	2.01	35×35	1.85
680	681					30×45	2.29	35×35	2.13							35×40	2.11
820	821							35×40	2.16								
1000	102							35×50	2.50								

WV Size CAP(μF)		450V(2W)							
		Φ22		Φ25		Φ30		Φ35	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
120	121	22×25	0.78						
150	151	22×30	0.91	25×25	0.93				
180	181	22×35	1.02	25×30	1.05				
220	221	22×40	1.15	25×35	1.21	30×25	1.15		
270	271	22×50	1.36	25×40	1.36	30×30	1.29		
330	331			25×45	1.54	30×35	1.46		
390	391			25×50	1.70	30×40	1.63	35×30	1.52
470	471					30×45	1.85	35×35	1.77
560	561					30×50	2.04	35×40	2.02
680	681							35×45	2.16
820	821							35×50	2.42

Size φD×L(mm)

Maximum Allowable Ripple Current (A rms) at 105°C 120Hz