



TP 系列 Series

特点 Features

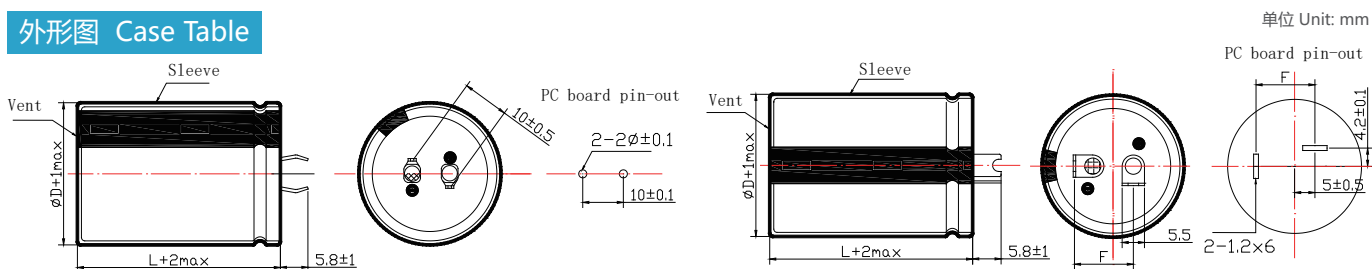
- 耐高温, 125°C 2000小时。
High ripple current, Load life of 2000 hours at 125°C.
- 适用于开关电源, 变频器。Best for switching power supplies, Inverter.
- RoHS指令已对应完毕。Adapted to the RoHS directive.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics					
使用温度范围 Operating Temperature Range	-40~+125°C					
额定电压范围 Rated Voltage Range	16~80V					
标称电容容量范围 Rated Voltage Range	330~10000uF					
标称电容容量允许偏差 Capacitance Tolerance	±20% (120Hz, +20°C)					
漏电流 Leakage Current	I ≤ 0.01CV(μA)或1.5mA 取较小值 (Whichever is smaller) 5分钟 (at 20°C, after 5 minutes)					
损耗角正切值(tgδ) Dissipation Factor (+20°C, 120Hz)	Rated voltage(V)	16	25	35	50	63~80
	tgδ	0.50	0.40	0.35	0.30	0.20
温度特性 Temperature Characteristics (Impedance ratio at 120Hz)	U _R (V)	16~25	35	50	63~80	
	Z-25°C/Z+20°C	6	6	4	3	
	Z-40°C/Z+20°C	15	10	8	6	
耐久性 Load Life	+125°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 +125°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	+125°C, 1000小时贮存后, 加额定工作电压处理30分钟, 恢复16小时后: After storage for 1000 hours at +125°C, U _R to be applied for 30 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

Freq.(Hz)	50	120	300Hz	1KHz	≤10KHz
U _R (V)					
16~80	0.85	1.00	1.06	1.15	1.20

尺寸 Dimensions

WV Size CAP(μF)		16(1C)								25(1E)							
		Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1500	152									22×30	0.95						
2200	222	22×30	1.00	25×35	1.41					22×40	1.28	25×30	1.26				
3300	332	22×40	1.36	25×40	1.77					22×50	1.72	25×40	1.72	30×30	1.68		
4700	472	22×50	1.78			30×30	1.74					25×50	2.23	30×40	2.22	35×30	2.17
6800	682					30×40	2.31	35×30	2.26					30×50	2.90	35×40	2.87
10000	103							35×45	3.14								

WV Size CAP(μF)		35(1V)								50(1H)							
		Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
680	681									22×30	0.78						
1000	102	22×30	0.85							22×40	1.06	25×30	1.04				
1500	152	22×40	1.16	25×30	1.14					22×50	1.42	25×40	1.42	30×30	1.39		
2200	222	22×50	1.54	25×40	1.54	30×30	1.50							30×40	1.86	35×35	1.91
3300	332					30×40	2.04	35×35	2.09							35×40	2.45
4700	472							35×40	2.61								

WV Size CAP(μF)		63(1J)								80(1K)							
		Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
330	331									22×30	0.59						
470	471	22×35	0.69	25×30	0.71					22×40	0.79	25×35	0.82	30×35	1.07		
680	681	22×40	0.87	25×35	0.91	30×30	0.93					25×40	1.04	30×45	1.42	35×35	1.40
1000	102			25×45	1.21	30×35	1.19	35×30	1.22							35×45	1.86
1500	152					30×45	1.60	35×40	1.65								
2200	222							35×50	2.16								

Size φD×L(mm)
Maximum Allowable Ripple Current (A rms) at 125°C 120Hz