

### VZ2 Series

- 适用于回流焊 • 适用于高密度表面组装
- 性能稳定、可靠性高。 • 低阻抗品 • 寿命: +105°C, 2000 小时。
- Reflow soldering is available • Available for high density surface mounting
- High stability and reliability • Low impedance • Life time: +105°C ,2000 Hrs.



### 主要技术性能 Specifications

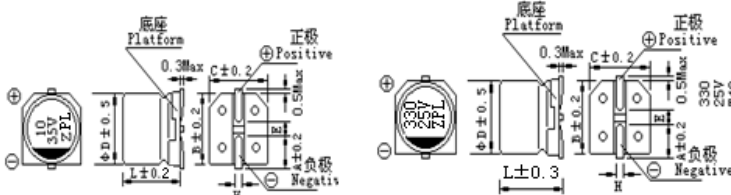
使用温度范围 Operating Temperature Range	-55 ~ +105°C									
额定电压范围 Rated Voltage Range	6.3 ~ 100V DC									
标称电容量允许偏差 Capacitance Tolerance	± 20% (120Hz, 20°C)									
漏电流(20°C) Leakage Current	I ≤ 0.01C <sub>R</sub> U <sub>R</sub> (μ A) 或 3 μ A 取较大者, (2 分钟) I ≤ 0.01C <sub>R</sub> U <sub>R</sub> (μ A) or 3 μ A Whichever is greater (after 2 minutes)									
损耗角正切值(120Hz 20°C) Dissipation Factor (120Hz)	W.V.	6.3	10	16	25	35	50	63	80	100
	tg δ	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.08	0.08
温度特性 (120Hz) Temperature Characteristics Impedance Ratio (120Hz)	W.V.	6.3	10	16	25	35	50	63	80	100
	Z <sub>-25°C</sub> /Z <sub>+20°C</sub>	2	2	2	2	2	2	2	2	2
	Z <sub>-40°C</sub> /Z <sub>+20°C</sub>	3	3	3	3	3	3	3	3	3
	Z <sub>-55°C</sub> /Z <sub>+20°C</sub>	4	4	4	3	3	3	3	3	3
耐久性 Load Life	+105°C施加额定电压 2000 小时,恢复 16 小时后,电容器应满足要求 After applying rated voltage for 2000 hours at +105°C and then resumed 16 hours. The capacitor shall meet the following limits.									
	电容量变化率 Capacitance Change	≤ ± 20% 初始测量值(≤ 16V: ± 25% 初始测量值) ≤ ± 20% of Initial measured value (≤ 16V: ± 25% of the initial value)								
	漏电流值 Leakage	≤ 规定值 ≤ The specified value								
	损耗角正切值 Dissipation Factor	≤ 2 倍规定值 ≤ 200% of the specified value								
高温贮存 Shelf Life	+105°C,1000 小时, 恢复 16 小时后,电容器应满足下列要求。 After storage for 1000 hours at +105°C and then resumed 16 hours, the capacitor shall meet the following limits.									
	电容量变化率 Capacitance Change	≤ ± 20% 初始测量值 ≤ ± 20% of Initial measured value								
	漏电流值 Leakage	≤ 2 倍规定值 ≤ 200% of the specified value								
	损耗角正切值 Dissipation Factor	≤ 1.2 倍规定值 ≤ 120% of the specified value								
耐焊接热 Resistance to Soldering Heat	在 250°C 的条件下, 电容器应在热板上保持 30 秒,然后从热板上取出电容器,让其在室温下恢复, 电容器应满足以下要求: The capacitors shall be kept on the hot plate maintained at 250°C for 30 seconds. After removing from the hot plate and restored at room temperature,then meet the following requirement.									
	电容量变化率 Capacitance Change	≤ ± 10% 初始测量值 ≤ ± 10% of Initial measured value								
	漏电流值 Leakage	≤ 规定值 ≤ The specified value								
	损耗角正切值 Dissipation Factor	≤ 规定值 ≤ The specified value								

### 尺寸及印字 Dimensions & Marking

mm

(Φ4~Φ6.3×5.4)

(Φ6.3×7.7/Φ8~Φ10×10.2)



Size	4×5.4	5×5.4	6.3×5.4	6.3×7.7	8×6.2	8×10.2	10×10.2
A	1.8	2.2	2.6	2.6	2.9	2.9	3.3
B/C	4.3	5.3	6.6	6.6	8.3	8.3	10.3
L	5.4	5.4	5.4	7.7	6.2	10.2	10.2
H	0.5~0.9				0.9~1.1		

## VZ2 Series

■ 规格壳号、最大允许纹波电流及阻抗值

Standard sizes & Maximum permissible ripple current & impedance

WV μF	6.3(0J)			10(1A)			16(1C)			25(1E)			35(1V)		
	D×L mm	ESR (Ω)	I~mA	D×L mm	ESR (Ω)	I~mA	D×L mm	ESR (Ω)	I~mA	D×L mm	ESR (Ω)	I~mA	D×L mm	ESR (Ω)	I~mA
4.7										4×5.4	2.2	80	4×5.4	2.2	80
10							4×5.4	2.2	80	4×5.4	2.2	80	5×5.4	1.2	150
22	4×5.4	2.2	80	4×5.4	2.2	80	5×5.4	1.2	150	6.3×5.4	0.58	230	6.3×5.4	0.58	230
33	5×5.4	1.2	150	5×5.4	1.2	150	6.3×5.4	0.58	230	6.3×5.4	0.58	230	6.3×5.4	0.58	230
47	5×5.4	1.2	150	6.3×5.4	0.58	230	6.3×5.4	0.58	230	6.3×7.7	0.34	280	6.3×7.7 8×6.2	0.34 0.33	280 290
100	6.3×5.4	0.58	230	6.3×7.7	0.34	280	6.3×5.4 6.3×7.7	0.52 0.34	230 280	6.3×7.7 8×6.2	0.34 0.26	280 300	8×10.2	0.17	450
150	6.3×5.4	0.58	230	6.3×7.7	0.34	280	6.3×7.7	0.34	280	8×10.2	0.17	450	10×10.2	0.10	670
220	6.3×5.4 6.3×7.7	0.58 0.34	243 280	6.3×7.7	0.34	280	6.3×7.7 8×10.2	0.34 0.17	384 450	8×10.2	0.17	450	8×10.2 10×10.2	0.17 0.10	587 670
330	6.3×7.7	0.34	280	8×10.2	0.17	450	8×10.2	0.17	450	10×10.2	0.10	670	10×10.2	0.10	670
470	8×10.2	0.17	450	8×10.2	0.17	450	8×10.2 10×10.2	0.17 0.10	450 670	10×10.2	0.10	670			
1000	8×10.2 10×10.2	0.17 0.10	450 670	10×10.2	0.10	670	10×10.2	0.10	670						
1500	10×10.2	0.10	670												

WV μF	50(1H)			63(1J)			80(1K)			100(2A)		
	D×L mm	ESR (Ω)	I~mA	D×L mm	ESR (Ω)	I~mA	D×L mm	ESR (Ω)	I~mA	D×L mm	ESR (Ω)	I~mA
1.0	4×5.4	4.5	60									
2.2	4×5.4	4.5	60									
3.3	4×5.4	4.5	60				5×5.4	5.0	25			
4.7	5×5.4	3.5	85	5×5.4	3.0	50	6.3×5.4	3.0	40			
10	6.3×5.4	1.8	165	6.3×5.4 6.3×7.7	1.5 1.2	80 120	6.3×7.7	2.4	60			
22	6.3×7.7	1.6	185	6.3×7.7 8×6.2	1.2 1.2	120 120	8×10.2	1.3	130	8×10.2	1.3	130
33	6.3×7.7	1.6	185	8×10.2	0.65	250	8×10.2	1.3	130	10×10.2	0.7	200
47	8×10.2 10×10.2	0.4 0.3	300 342	8×10.2	0.65	250	10×10.2	0.7	200			
68	10×10.2	0.3	342	8×10.2	0.65	250						
100	10×10.2	0.22	670	10×10.2	0.35	400						
150	10×10.2	0.2	670									
220	10×10.2	0.18	670									

I~ 额定纹波电流 Rated ripple current: (mA, 105°C, 100KHz);  
ESR~ 阻抗值 Impedance: (Ω, 20°C, 100KHz)