

VHZ Series 导电高分子混合型片式铝电解电容器 105°C 5000 小时产品

Conductive polymer hybrid 105°C 5000 hours

Lifespan Aluminum Electrolytic Capacitor of SMD Type

- 混合型电解质, 高耐压, 长寿命, 极低阻抗, 105°C.5000 小时。(纹波叠加)
- 适用于高温高可靠性用途 • 性能稳定, 可靠性高, 符合 RoHS • 无卤对应品
- Conductive polymer hybrid, high pressure, long service life, Very low impedance, 105°C5000 hours. (The superposition of ripple)
- Suitable for high temperature and high reliability purposes
- High stability and reliability. RoHS Compliance
- Halogen-free, corresponding product

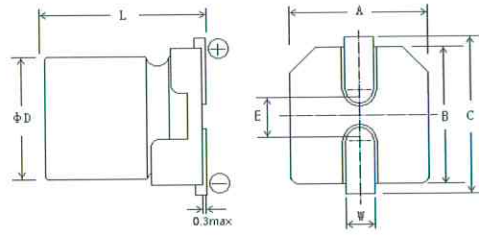


主要技术性能 Specifications

使用温度范围 Operating Temperature Range	-55~+105°C					
额定电压范围 Rated Voltage Range	16~63V DC					
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20°C)					
漏电流(20°C) Leakage Current	Rated voltage	16~63V				
	Time	2 分钟 (after 2 minutes)				
	Case Size	Φ6.3~Φ10				
	Leakage Current	I≤0.01 CV (μA)或 3μA 取较大者 I≤0.01 CV or 3μA whichever is greater				
损耗角正切值 Dissipation Factor (120Hz 20°C)	WV (V)	16	25	35	50	63
	tgδ	0.16	0.14	0.12	0.10	0.08
温度特性 (120Hz) Temperature Characteristics ImpedanceRatio(100kHz)	WV(V)	16	25	35	50	63
	Z _{-25°C} / Z _{+20°C}	1.5	1.5	1.5	1.5	1.5
	Z _{-55°C} / Z _{+20°C}	2	2	2	2	2
耐久性 Load Life	+105°C施加额定电压 5000 小时,恢复 16 小时后,电容器应满足要求 After applying rated voltage for 5000 hours at +105°C and then resumed 16 hours. The capacitor shall meet the following limits.					
	电容量变化率 Capacitance Change	≤±30%初始测量值 ≤±30% of Initial measured value				
	漏电流值 Leakage Current	≤规定值 ≤The specified value				
	损耗角正切值 Dissipation Factor	≤2 倍规定值 ≤200% of the specified value				
	等效串联电阻(ESR) Equivalent series resistance	≤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	≤±30%初始测量值 ≤±30% 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	≤2 倍规定值 ≤200% of the specified value				
	等效串联电阻(ESR) Equivalent series resistance	≤2 倍规定值 ≤200% of the specified value				

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■ 外形图及尺寸 Case size table



mm

ΦD	L	A±0.2	B±0.2	C±0.2	E±0.2	WV
Φ6.3	5.8±0.2	6.6	6.6	7.4	1.9	0.5~0.8
Φ6.3	7.7±0.3	6.6	6.6	7.4	1.9	0.5~0.8
Φ8	10.2±0.5	8.3	8.3	9.1	3.1	0.9~1.1
Φ10	10.2±0.5	10.3	10.3	11.1	4.5	0.9~1.1

■ 标称电容量、额定电压、额定纹波电流与外形尺寸对应表

Nominal capacitance, rated voltage, rated ripple current and case size table

WV μF	16V			25V			35V			50V			63V		
	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)
6.8							6.3x5.8	1300	60				6.3x5.8	1000	120
10										6.3x5.8	1100	80	6.3x5.8	1000	120
										6.3x7.7	1500	80	6.3x7.7	1500	80
22										6.3x5.8	1100	80	6.3x7.7	1500	80
										8x10.2	1600	40	8x10.2	1600	40
33							6.3x5.8	1300	60	6.3x7.7	1600	40	8x10.2	1600	40
							8x10.2	1800	30	10x10.2	1800	30	10x10.2	1800	30
47				6.3x5.8	1300	50	6.3x5.8	1300	60	6.3x7.7	2000	35	8x10.2	1800	30
				6.3x7.7	2000	30	6.3x7.7	2000	35	8x10.2	1800	30			
56				6.3x5.8	1300	50				10x10.2	2000	25	10x10.2	1800	30
68				6.3x7.7	2000	30	6.3x7.7	2000	35	8x10.2	1800	30			
100				6.3x7.7	2000	30	8x10.2	2300	27	10x10.2	2000	25			
							8x10.2	2300	27						
150	6.3x7.7	2200	27	8x10.2	2300	27	10x10.2	2500	20						
220				8x10.2	2300	27									
270	8x10.2	2500	22	10x10.2	2500	20	10x10.2	2500	20						
330				10x10.2	2500	20									
470	10x10.2	2600	18												

I~额定纹波电流 Rated ripple current : (mA , 105°C , 100kHz), ESR : (mΩ , 20°C , 100KHZ)