

### VHM Series 导电高分子混合型片式铝电解电容器 135°C 2000~4000 小时产品

Hybrid conductive polymer . 135°C 2000~4000 hours . For SMD Type

- 混合型电解质, 高耐压, 长寿命, 极低阻抗, 135°C 2000~4000 小时。
- 性能稳定, 可靠性高, 符合 RoHS • 无卤对应品 • 符合 AEC-Q200
- Hybrid conductive polymer, high voltage, long life, low impedance, 135°C 2000~4000 hours.
- High stability and reliability. RoHS Compliant
- Halogen-free, corresponding product
- AEC-Q200 Compliant

**NEW**

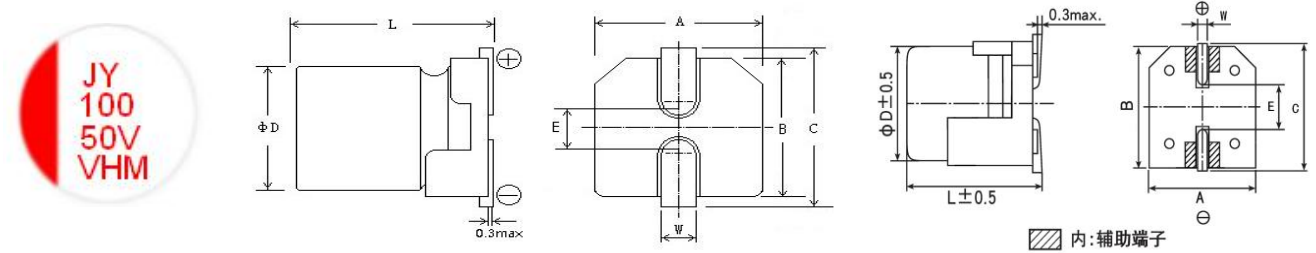


#### 主要技术性能 Specifications

使用温度范围 Operating Temperature Range	-55~+135°C					
额定电压范围 Rated Voltage Range	16~63V DC					
标称容量允许偏差 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 Impedance Ratio(100kHz)	WV(V)	16	25	35	50	63
	Z <sub>-25°C</sub> /Z <sub>+20°C</sub>	1.5	1.5	1.5	1.5	1.5
	Z <sub>-55°C</sub> /Z <sub>+20°C</sub>	2	2	2	2	2
耐久性 Load Life	+135°C施加额定电压 4000 小时(Φ6.3x6.0,Φ6.3x7.7:2000 小时),恢复 16 小时后,电容器应满足要求 After applying rated voltage for 4000 hours (Φ6.3x5.8,Φ6.3x7.7:2000hours),at +135°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	+135°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 +135°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	≤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				

### VHM Series

#### 外形图及尺寸 Case size table



ΦD	L	A±0.2	B±0.2	C±0.2	E±0.2	W	mm
Φ6.3	6.0±0.3	6.6	6.6	7.4	2.2	0.5~0.8	
Φ6.3	7.7±0.3	6.6	6.6	7.4	2.2	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)
22													8x10.2	1100	40
33										8x10.2	1250	30	8x10.2 10x10.2	1100 1400	40 30
47							6.3x6.0	900	60	8x10.2	1250	30	8x10.2	1100	40
56				6.3x6.0	900	50				10x10.2	1600	25	10x10.2	1400	30
68							6.3x7.7	1400	35	8x10.2	1250	30			
82	6.3x6.0	950	45										10x10.2 10x12.5	1400 2000	30 20
100				6.3x7.7	1400	30				10x10.2	1600	25			
120										10x10.2 10x12.5	1600 2100	25 19			
150	6.3x7.7	1450	27				8x10.2	1600	27						
220				8x10.2	1600	27									
270	8x10.2	1700	22				10x10.2 10x12.5	2000 2200	20 17						
330				10x10.2 10x12.5	2200 2300	20 16									
470	10x10.2	2100	18												

I~额定纹波电流 Rated ripple current: (mA, 135°C, 100kHz), ESR: (mΩ, 20°C, 100KHZ)