Leaguer

鋁電解電容器
Aluminum Electrolytic Capacitor

VPH Series 片式导电聚合物固体铝电解电容器 150℃ 1000 小时产品
Conductive Polymer . 150℃ 1000 hours . For SMD Type

- 耐高电压 High voltage（to 63V）
- 高频低阻抗 Low ESR at high frequency range
- 高纹波 High ripple current capability
- 150℃,1000 小时 150℃,1000 hours assured
- 符合 AEC-Q200 AEC-Q200 Compliant

NEW

■ 主要技术性能 Specifications

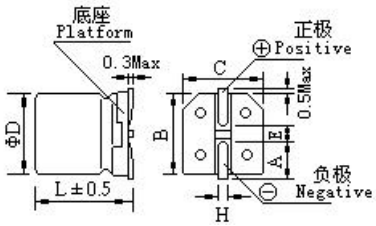
项目 Items	主要特性 Performance Characteristics
使用温度范围 Operating Temperature Range	-55～+150℃
额定电压范围 Rated Voltage Range	16～63V. DC
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20℃)
漏电流(20℃) Leakage Current	施加额定工作电压 2 分钟，I≤0.2 CV(μA) After 2 minutes' application of rated voltage, the leakage current is not more than 0.2 CV
损耗角正切值(120Hz 20℃) Dissipation Factor	测试频率 120Hz/温度 20℃，损耗小于规范值 Less than the specified value at 120Hz, 20℃
等效串联电阻 Equivalent Series Resistance	测试频率 100KHz/温度 20℃，等效串联电阻小于规范值 Less than the specified value at 100KHz, 20℃
耐久性 Load Life(150℃, 1000hrs)	在 150℃环境施加额定工作电压 1000 小时后,电容器的特性符合下表要求。 150 ℃ environment d rated operating voltage1000 hours, capacitor characteristics meet the requirements in the following table. 电容量变化率 Capacitance Change: 初始值的±20%以内 Within ±20% of the initial value 漏电流值 Leakage: ≤规范值 Less than the specified value 损耗角正切值 Dissipation Factor: ≤规范值的 150% Less than 150% of the specified value 等效串联电阻 Equivalent Series Resistance: ≤规范值的 200% Less than 200% of the specified value
高温贮存 Shelf Life (150℃, 1000hrs)	在 150℃环境放置 1000 小时后,电容器的特性符合下表要求。 After storage 1000 hours' at +150℃ and then resumed 16 hours, the characteristics requirements listed . 电容量变化率 Capacitance Change: 初始值的±20%以内 Within ±20% of the initial value 漏电流值 Leakage: ≤规范值 Less than the specified value 损耗角正切值 Dissipation Factor: ≤规范值的 150% Less than 150% of the specified value 等效串联电阻 Equivalent Series Resistance: ≤规范值的 200% Less than 200% of the specified value

鋁電解電容器
Aluminum Electrolytic Capacitor

VPH Series

■ 外形图及尺寸 Case size table

mm



ΦD	L	A	B	C	H	E±0.2
8	9.0	2.9	8.3	8.3	0.8~1.1	3.1
8	10.2	2.9	8.3	8.3	0.8~1.1	3.1
8	12	2.9	8.3	8.3	0.8~1.1	3.1
10	10.2	3.2	10.3	10.3	0.8~1.1	4.5
10	12.5	3.2	10.3	10.3	0.8~1.1	4.5

■ 编码和规格 Part number & Specifications

额定电压 Rated Voltage (V)	标称容量 Capacitance (μF)	产品编码 Part Number	等效串联电阻 ESR(mΩ max) 100Khz to 300Khz	耐纹波电流 (mA rms/ 105℃，100Khz)	损耗 Tan δ (120Hz)	漏电流 (max) (μA)	尺寸 ΦD×L (mm)
16	220	VPM1C221M0808	30	800	0.12	704	8×9
	470	VPM1C471M0810	17	1900	0.12	1054	8×10.2
	560	VPM1C561M0812	16	2000	0.12	1792	8×12
	680	VPM1C681M1010	19	1900	0.12	2172	10×10.2
	1000	VPM1C102M1012	13	2200	0.12	3200	10×12.5
20	100	VPM1D101M0808	39	600	0.12	400	8×9
	220	VPM1D221M0810	20	1800	0.12	880	8×10.2
	270	VPM1D271M0812	18	1900	0.12	1080	8×12
	330	VPM1D331M1010	20	1800	0.12	1320	10×10.2
	470	VPM1D471M1012	15	2100	0.12	1880	10×12.5
25	68	VPM1E680M0808	41	600	0.12	340	8×9
	150	VPM1E151M0810	20	1800	0.12	750	8×10.2
	180	VPM1E181M0812	19	1900	0.12	900	8×12
	270	VPM1E271M1010	20	1800	0.12	1350	10×10.2
	330	VPM1E331M1012	15	2100	0.12	1650	10×12.5
35	47	VPM1V470M0808	44	600	0.12	329	8×9
	100	VPM1V101M0810	22	1700	0.12	700	8×10.2
	150	VPM1V151M0812	21	1800	0.12	1050	8×11.8
	180	VPM1V181M1010	20	1800	0.12	1260	10×10.2
	220	VPM1V221M1012	16	2000	0.12	1540	10×12.5

Leaguer

鋁電解電容器
Aluminum Electrolytic Capacitor

VPH Series

■ 编码和规格 Part number & Specifications

额定电压 Rated Voltage (V)	标称容量 Capacitance (μF)	产品编码 Part Number	等效串联电阻 ESR(mΩ max) 100Khz to 300Khz	耐纹波电流 (mA rms/ 105℃，100Khz)	损耗 Tan δ (120Hz)	漏电流 (max) (μA)	尺寸 ΦD×L (mm)
50	22	VPM1H220M0808	48	600	0.12	220	8×9
	47	VPM1H470M0810	28	1500	0.12	470	8×10.2
	56	VPM1H560M0812	27	1500	0.12	560	8×12
	68	VPM1H680M1010	28	1500	0.12	680	10×10.2
	100	VPM1H101M1012	24	1600	0.12	1000	10×12.5
63	12	VPM1J120M0808	52	400	0.12	151	8×9
	27	VPM1J270M0810	38	1300	0.12	340	8×10.2
	39	VPM1J390M0812	35	1300	0.12	491	8×11.8
	47	VPM1J470M1010	33	1400	0.12	592	10×10.2
	68	VPM1J680M1012	28	1500	0.12	856	10×12.5

■ 纹波电流频率补偿系数 Frequency coefficient of allowable ripple current

Frequency 频率	120Hz≤f＜1KHz	1KHz≤f＜10KHz	10KHz≤f＜100KHz	100kHz≤f＜500KHz
Coefficient 系数	0.05	0.30	0.70	1.00