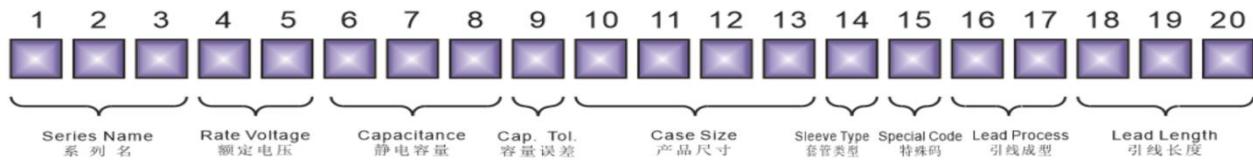


EXPLANATION OF PART NUMBERS 产品编码规则



(1-3)	(4-5)	(6~8)	(9)	(10~13)	(14)	(15)
Series	Voltage (W.V.)	Capacitance (μ F)	Cap. Tolerance (%)	Size ϕ DxL	Sleeve Material	Special Code
VCS	4	0G	0.1	4x5.4	Sleeveless	C
VCT	6.3	0J	0.22	5x5.4	PVC	V
VCH	10	1A	0.33	5x5.7	PET	E
VCR	16	1C	0.47	6.3x4.5		
VGV	25	1E	1	6.3x5.4		
VDV	35	1V	2.2	6.3x5.7		
UT	50	1H	3.3	6.3x7.7		
VT	63	1J	4.7	6.3x7.9		
RVT	80	1K	10	8x6.5		
	100	2A	22	8x10		
	125	2B	33	8x10.5		
	160	2C	47	10x10		
	180	2Z	68	10x10.5		
	200	2D	100			
	220	2P	220			
	250	2E	330			
	315	2F	470			
	330	2L	680			
	350	2V	1000			
	400	2G	2200			
	420	2Q	3300			
	450	2W	4700			

(16~17)

Lead Process	Code
Radial Bluk 引线型长脚散装	RB
V-Chip Type 贴片型	VC
Snap-in Type 牛角型	SN
Screw Terminal Type 螺栓型	ST
Cutting 剪脚	Straight Cut 直接剪脚
	Forming cut 成型剪脚
	Forming cut (ϕ 4~5mm) 成型剪脚
	Kinked Straight Cut 弯曲直脚剪脚
	Kinked Forming Cut 弯曲成型剪脚
	Bending (Right) 右弯曲成型剪脚
	Bending (Left) 左弯曲成型剪脚
Taping 编带	Forming Taping 成型编带
	Straight Taping 直接编带

(18~20)

Lead length	Code
lead length after cun is 2.8mm 脚长2.8毫米	028
lead length after cun is 3.0mm 脚长3.0毫米	030
lead length after cun is 3.2mm 脚长3.2毫米	032
lead length after cun is 10.0mm 脚长10.0毫米	100

VCS

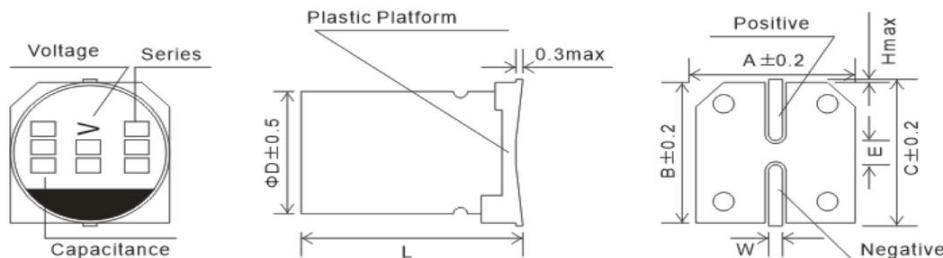
Wide temperature Standard 宽温标准品



- 105°C, 1000~2000 hours assured.
105°C, 负荷寿命 1000~2000 小时。
 - Case diameter Φ 4mm ~ Φ 10mm.
产品直径 Φ 4mm ~ Φ 10mm.
 - Available for high density surface mounting.
适用于高密度表面组装。
 - High stability and reliability.
性能稳定, 可靠性高。

■ Specifications 特性表

■ Drawing(Unit: mm) 外形图



VCS
Series

■ Standard ratings 标准品一览表

uF \ VW	6.3v (0J)		10v (1A)		16v (1C)		25v (1E)		35v (1V)		50v (1H)		63v (1J)		100v (2A)	
	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.
0.1											4x5.4	0.7	4x5.4	0.7		
0.22											4x5.4	1.6	4x5.4	1.6		
0.33											4x5.4	2.5	4x5.4	2.5		
0.47											4x5.4	3.5	4x5.4	3.5		
1											4x5.4	8	4x5.4	8	4x5.4	10
2.2											4x5.4	12	4x5.4	12	5x5.4	13
3.3											4x5.4	16	4x5.4	14	5x5.4	17
														5x5.4	13	
														6.3x5.4	30	
4.7									4x5.4	22	4x5.4	22	4x5.4	22	5x5.4	20
														5x5.4	30	
10					4x5.4	25	4x5.4	25	4x5.4	25	5x5.4	35	6.3x5.4	32	6.3x5.7	35
							5x5.4	28	5x5.4	30	6.3x5.4	40	6.3x7.7	60	6.3x7.7	50
22	4x5.4	25	4x5.4	25	4x5.4	29	5x5.4	28	5x5.4	35	6.3x5.4	42	6.3x5.7	45	6.3x7.9	60
			5x5.4	40	5x5.4	39	6.3x5.4	55	6.3x5.4	60	6.3x7.7	65	6.3x7.7	65	8x10	100
33	4x5.4	26	4x5.4	26	5x5.4	40	5x5.4	55	6.3x5.4	60	6.3x7.7	90	8x10	140	8x10	120
		5x5.4	45	5x5.4	45	6.3x5.4	70	6.3x5.4	65							
47	4x5.4	31	4x5.4	31	5x5.4	42	5x5.7	42	6.3x5.4	60	6.3x5.7	70	6.3x7.9	90	10x10	170
		5x5.4	46	5x5.4	46	6.3x5.4	70	6.3x5.4	65	6.3x7.7	100	6.3x7.7	110	8x10	170	
100	5x5.4	46	5x5.4	60	5x5.7	45	6.3x5.7	90	6.3x5.7	90	6.3x7.9	120				
	6.3x5.4	75	6.3x4.5	70	6.3x5.4	70	6.3x7.7	100	6.3x7.7	105	8x10	240	10x10	310		
150	5x5.7	47	6.3x5.4	75	6.3x5.7	75	6.3x7.7	120			8x10	260	10x10	300		
	6.3x5.4	75			6.3x7.7	120	8x6.5	160								
220	5x5.7	47	6.3x5.4	80	6.3x5.7	110	6.3x7.9	140	8x10	260			10x10.5	330		
	6.3x5.4	75	6.3x7.7	120	6.3x7.7	120	8x10	270	10x10	350						
330	6.3x5.7	110	6.3x7.7	200	6.3x7.9	170	8x10	290			10x10	370				
	6.3x7.7	140			8x10	290	10x10	380								
470	6.3x7.7	140	6.3x7.9	200	6.3x7.9	200	8x10.5	320			10x10.5	380				
	8x10	290	8x10	320	8x10	320	10x10	380								
680	8x10	360	8x10	360	8x10	360	10x10	380								
1000	8x10	290	10x10.5	410	10x10.5	410										
	10x10	410														

Note1: Case size ΦD x L(mm), ripple current (mA, rms) at 105°C, 120Hz. 尺寸ΦD x L(mm), 纹波电流於 105°C, 120Hz

Note2: Produce custom product too, which are not found in these tables. 客户定制品不在标准品一览表内

Scope 概述

Conformance Standard 参考标准

This specification covers "VCS" series miniature single-ended aluminum electrolytic capacitors. This approval sheet consulted the institute of IEC60384-4. 本承认书规定了 VCS 系列径向引线引出铝电解电容器的技术规范。并参考 IEC60384-1 和 IEC60384-4 制定。

Operating Temperature Range 工作温度范围

Operating temperature range is the range of ambient temperature at which the capacitor can be operated continuously at rated voltage. 工作温度范围是电容器在施加额定工作电压条件下，可以长期可靠工作的环境温度范围。

Rated Voltage 额定电压	Temperature 温度范围
6.3 ~ 100V.DC	-55 ~ +105 °C

Condition of test 测试环境

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows. 如果没有其它规定，标准的测试、检验环境条件如下所示：

Ambient temperature 环境温度：15°C to 35°C

Relative humidity 相对湿度：45% to 75%

Air pressure 大气压力：86Kpa to 106Kpa

If there may be doubt on the results, measurements shall be made within the following limits 如果对测试结果有异议，可以在以下条件测试：

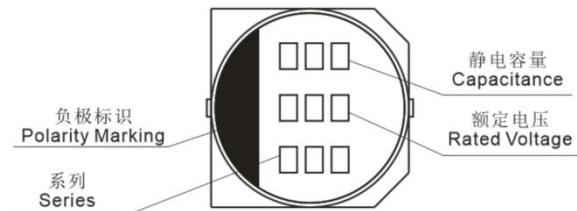
Ambient temperature 环境温度：20±1°C

Relative humidity 相对湿度：63% to 67%

Air pressure 大气压力：86Kpa to 106Kpa

Marking 印刷

a. The following items shall be marked on each capacitor 电容顶部印刷如下：



b. Marking color 印刷颜色：Black 黑色

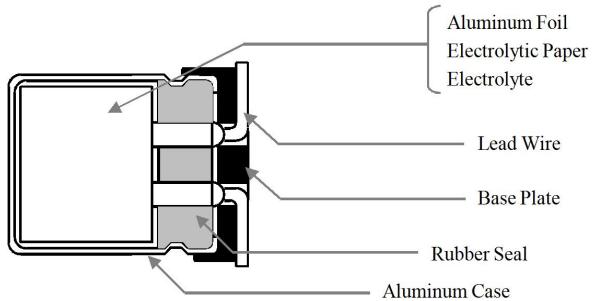
Ripple Current Frequency Coefficient 纹波电流频率因子

Frequency 频率 (Hz)		60Hz	120Hz	300Hz	1KHz	10KHz~
6.3 ~ 100V	Φ4 ~ Φ10	0.1 ~ 1500uF	0.70	1.00	1.17	1.36

Aluminum Electrolytic Capacitors

Construction & Drawing 结构与外形图

Construction 结构:



Parts Name 部件名称		Materials 材质
1	Aluminum Foil 铝箔	Aluminum 铝
2	Electrolytic Paper 电解纸	Manila Hemp 马里拉麻/西班牙草纸浆
3	Electrolyte 电解液	Ethylene Glycol, Gamma-Butyrolactone γ -丁内酯
4	Aluminum Case 镀膜铝壳	Aluminum、PET 铝及 PET
5	Rubber Seal 封口橡胶	Synthetic Rubber (IIR) 树脂橡胶
6	Lead Wire 引线	Bi Contained Tin Plate, Tinned Copper-Clad Steel Wire 镀锡铜包钢线
7	Base Plate 底座	Thermo-plastic Resin 热塑性树脂

Diagram of Dimensions 外形尺寸:

