

KNSCHA

Empowering The World

广东科尼盛电子科技有限公司

KNSCHA ELECTRONICS CO.,LIMITED

IATF16949:2016

ISO9001:2015

ISO14001:2015

部品规格书 APPROVE SHEET

客 户 名 称 Customer Name	
产 品 名 称 Product Name	贴片型铝电解电容器 SMD Aluminum Electrolytic Capacitors
客 户 料 号 Customer P/N	
科 尼 盛 料 号 KNSCHA P/N	225RV0018
型 号 规 格 Product Type	100uF ±20% 35V 105°C@2000Hours SMD,D6.3xL7.7mm KNS RVE Series 高频低阻
日 期 Date	2025年03月14日

制 造 Manufacture	
核 准 APPROVAL	制 作 PREPARED
王 勃 KNSCHA ELECTRONICS CO.,LIMITED	

客 户 承 认 栏 CUSTOMER APPROVED		
核 准 APPROVED	确 认 CHECKED	经 办 DESIGNED

④ 网址: www.knscha.com ④ 邮箱: sales@knscha.com

④ 电话: 0769-81035570 83698067 ④ 传真: 0769-83861559

④ 营业中心: 东莞市寮步镇香市科技产业园松湖智谷研发中心A3栋8层
8th floor,Building A3,Songshan Lake Intelligent Valley,Dongguan,
Guangdong,China

④ 总部基地: 广东省东莞市东坑镇农横路7号汇金展拓科技园
Building 3, No.7 Nongheng Road, Dongkeng Town, Dongguan,
Guangdong Province, China

④ 杭州分公司: 浙江省杭州市余杭区临平余之城1栋20楼
④ 厦门办事处: 福建省厦门市集美区厦门软件园三期F12栋901-8室

KNSCHA

Empowering The World

KNSCHA ELECTRONICS CO., LIMITED

IATF16949:2016 ISO9001:2015 ISO14001:2015

Aluminum Electrolytic Capacitors

- Source Manufacturer
- 25+ Years Experience
- 7X24 Hours Online Service



Film Capacitors

- Source Manufacturer
- 10+ Years Experience



KNSCHA

Empowering The World



+86(769)83698067

www.knscha.cn

8th floor, Building A3, Songshan Lake Intelligent Valley, Dongguan, Guangdong, China

Building 3, No.7 Nongheng Road, Dongkeng Town, Dongguan, Guangdong Province, China

+86(769)83861559

cathy@knscha.com

KNSCHA ELECTRONICS CO., LIMITED

IATF16949:2016 ISO9001:2015 ISO14001:2015

广东科尼盛电子科技有限公司
KNSCHA ELECTRONICS CO.,LIMITED

IATF16949:2016 ISO9001:2015 ISO14001:2015

[illegible]

RVE

105℃,Low Impedance.
Series

特性/ Features

105℃, 2000~3000 hours assured, Low Impedance.
Available for high density surface mounting.
High stability and reliability.

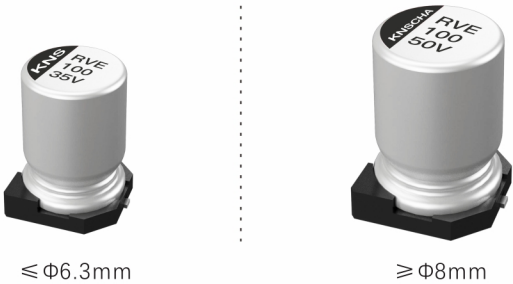


表1 规格表 Specifications

Item	Condition		Specifications							
Category Temperature Range(℃)	※		-40℃ ~ +105℃							
Capacitance Tolerance (%)	120Hz, 20℃		±20%							
Rated Voltage (v)	※		6.3	10	16	25	35	50	63	100
Dissipation Factor (tanδ)	120Hz, 20℃ (Max.)	tanδ	0.26	0.20	0.16	0.14	0.12	0.12	0.12	0.08
		Notes	Exceeding 1,000uF, +0.02 every 1,000uF							
Leakage Current (LC)	After 2 minutes, 20℃ (uA, Max.)		0.01CV or 3uA, whichever is greater.							
Low Temperature Characteristics	Impedance Ratio (Max.)	Z _{-25℃} /Z _{+20℃}	4	3	2	2	2	2	2	2
		Z _{-55℃} /Z _{+20℃}	8	5	4	3	3	3	3	3
Endurance	105℃, Rated Voltage Applied (With the rated ripple current)	Hours	3,000 (2,000hrs. for Ø4~Ø6.3)							
		ΔC/C	Within ±30% of initial value							
		tanδ	300% or less of the initial specified value							
		LC	The initial specified value or less							
Shelf life	105℃	Hours	1,000							
		Other Items	same as those for the endurance.							

表2 外形尺寸 Dimensions(mm)

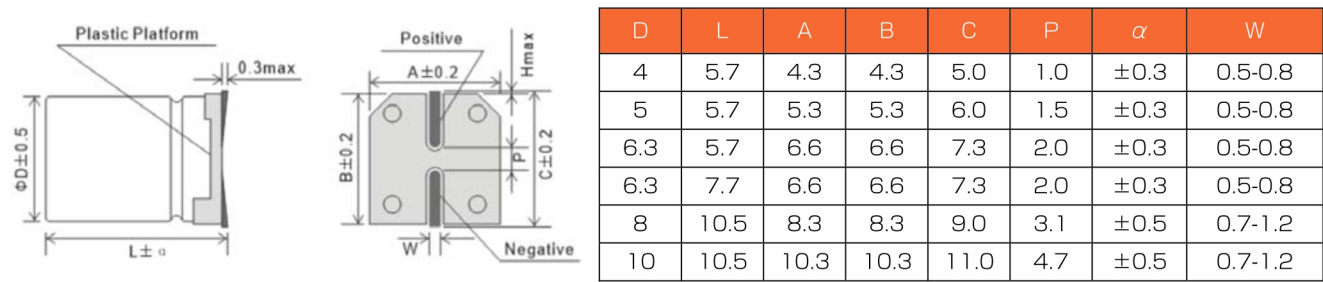


表3 纹波电流与频率修正系数 Ripple Current and Frequency Multipliers

Frequency (Hz)	50	120	1k	10k	100K
Capacitance (uF)					
Under 100	0.35	0.50	0.70	0.90	1.00
100 ~ 2200uF	0.40	0.65	0.85	0.95	1.00

■表4 标准品一览表 Standard Size

uF \ WV	6.3v(0J)			10v(1A)			16v(1C)			25v(1E)			35v(1V)			50v(1H)		
	$\Phi D \times L$	Imp.	R.C.	$\Phi D \times L$	Imp.	R.C.	$\Phi D \times L$	Imp.	R.C.	$\Phi D \times L$	Imp.	R.C.	$\Phi D \times L$	Imp.	R.C.	$\Phi D \times L$	Imp.	R.C.
1																4x5.7	5.0	30
1.5																4x5.7	5.0	30
2.2																4x5.7	5.0	30
3.3													4x5.7	3.0	60	4x5.7 5x5.7	5.0 3.0	30 50
4.7													4x5.7	3.0	60	4x5.7 5x5.7	5.0 3.0	30 50
10										4x5.7	3.0	60	4x5.7 5x5.7	3.0 1.8	60 95	5x5.7 6.3x5.7	3.0 2.0	50 70
15							4x5.7	3.0	60	4x5.7	3.0	60	5x5.7	1.8	95	6.3x5.7	2.0	70
22				4x5.7	3.0	60	4x5.7 5x5.7	3.0 1.8	60 95	4x5.7 5x5.7	3.0 1.8	60 95	5x5.7	1.8	95	6.3x5.7	2.0	70
33				4x5.7	3.0	60	4x5.7 5x5.7	3.0 1.8	60 95	4x5.7 5x5.7	3.0 1.8	60 95	5x5.7 6.3x5.7	1.8 1.0	95 140	6.3x5.7 6.3x7.7	2.0 1.0	70 120
47	4x5.7	3.0	60	4x5.7 5x5.7	3.0 1.8	60 95	5x5.7 6.3x5.7	1.8 1.0	95 140	5x5.7 6.3x5.7	1.8 1.0	95 140	6.3x5.7	1.0	140	6.3x7.7	1.0	120
56	5x5.7	1.8	95	4x5.7 5x5.7	3.0 1.8	60 95	5x5.7 6.3x5.7	1.8 1.0	95 140	6.3x5.7	1.0	140	6.3x5.7	1.0	140	6.3x7.7	1.0	120
68	5x5.7	1.8	95	5x5.7	1.8	95	5x5.7 6.3x5.7	1.8 1.0	95 140	6.3x5.7	1.0	140	6.3x5.7 6.3x7.7	1.0 0.6	140 230	6.3x7.7 8x10.5	1.0 0.6	120 300
100	5x5.7	1.8	95	5x5.7 6.3x5.7	1.8 1.0	95 140	6.3x5.7 6.3x7.7	1.0 0.6	140 230	6.3x5.7 6.3x7.7	1.0 0.6	140 230	6.3x7.7	0.6	230	8x10.5 10x10.5	0.6 0.3	300 500
150	5x5.7 6.3x5.7	1.8 1.0	95 140	6.3x5.7	1.0	140	6.3x5.7 6.3x7.7	1.0 0.6	140 230	6.3x7.7 8x10.5	0.6 0.3	230 450	6.3x7.7 8x10.5	0.6 0.3	230 450	10x10.5	0.3	500
220	6.3x5.7	1.0	140	6.3x5.7 6.3x7.7	1.0 0.6	140 230	6.3x7.7	0.6	230	8x10.5	0.3	450	8x10.5 10x10.5	0.3 0.15	450 670	10x10.5 10x12.5	0.3 0.16	500 580
330	6.3x5.7 6.3x7.7	1.0 0.6	140 230	6.3x7.7	0.6	230	6.3x7.7 8x10.5	0.6 0.3	230 450	8x10.5 10x10.5	0.3 0.15	450 670	10x10.5	0.15	670			
470	6.3x7.7	0.6	230	6.3x7.7 8x10.5	0.6 0.3	230 450	8x10.5	0.3	450	10x10.5 10x12.5	0.15 0.08	670 800	10x10.5 10x12.5	0.15 0.08	670 800			
680	8x10.5	0.3	450	8x10.5	0.3	450	8x10.5 10x10.5	0.3 0.15	450 670									
1000	8x10.5	0.3	450	8x10.5 10x10.5	0.3 0.15	450 670	10x10.5	0.15	670									
1500	8x10.5 10x10.5	0.3 0.15	450 670															

Note1: Case size $\Phi D \times L$ (mm), ripple current (mA, rms) at 105°C, 100KHz.
Note2: Produce custom product too, which are not found in these tables.

uF \ WV	63v(1J)			80v(1K)			100v(2A)		
	$\phi D \times L$	Imp.	R.C.	$\phi D \times L$	Imp.	R.C.	$\phi D \times L$	Imp.	R.C.
4.7	5x5.7	3.0	50						
10	5x5.7	3.0	50	6.3x5.7	3.0	40	6.3x7.7	2.4	60
	6.3x5.7	1.5	80	6.3x7.7	2.4	60			
22	6.3x5.7	1.5	80	6.3x7.7	2.4	60	8x10.5	1.5	110
	6.3x7.7	1.2	120	8x10.5	1.5	110			
33	6.3x7.7	1.2	120	8x10.5	1.5	110	8x10.5	1.5	110
	8x10.5	0.7	250				10x10.5	0.8	170
47	8x10.5	0.65	250	8x10.5	1.5	110	10x10.5	0.8	170
56	8x10.5	0.65	250	8x10.5	1.5	110	10x10.5	0.8	170
68	8x10.5	0.65	250	10x10.5	0.8	170	10x10.5	0.8	170
82	8x10.5	0.65	250	10x10.5	0.8	170			
	10x10.5	0.35	400						
100	10x10.5	0.35	400	10x10.5	0.8	170			
150	10x10.5	0.35	400						

Note1: Case size $\phi D \times L$ (mm), ripple current (mA, rms) at 105℃, 100KHz.
Note2: Produce custom product too, which are not found in these tables.