

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	225RV0034
型 号 规 格 Product Type	220uF $\pm 20\%$ 16V 105°C@2000Hours SMD,D6.3xL5.4mm KNS RVT Series
日 期 Date	2025年03月15日

制 造 Manufacture	
核 准 APPROVAL	制 作 PREPARED
王 伟	刘 国 华

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

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KNSCHA ELECTRONICS CO., LIMITED

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Aluminum Electrolytic Capacitors

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



Film Capacitors

- Source Manufacturer
- 10+ Years Experience



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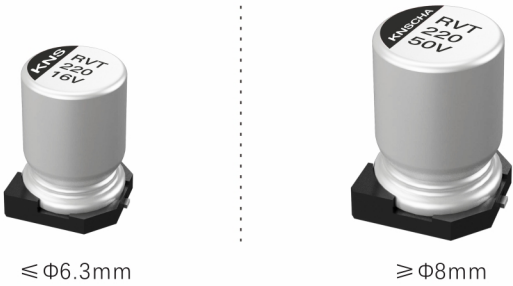
IATF16949:2016 ISO9001:2015 ISO14001:2015

RVT

105℃,2000Hrs,Standard Series

特性/ Features

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



贴片型SMD

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	0.30	0.24	0.20	0.18	0.16	0.14	0.14	0.14
		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℃}	5	4	3	2	2	2	2	2
		Z _{-40℃} /Z _{+20℃}	10	8	6	4	3	3	3	3
Endurance	105℃, Rated Voltage Applied (With the rated ripple current)	Hours	2,000							
		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)

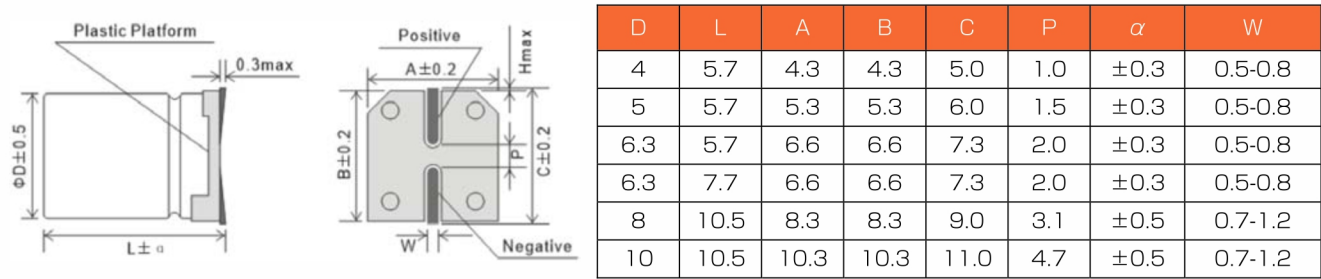


表3 纹波电流与频率补正系数 Ripple Current and Frequency Multipliers

Frequency (Hz) Capacitance (uF)	50	120	1k	10k up
Under 100	0.70	1.00	1.35	1.50
100 ~ 2200uF	0.80	1.00	1.20	1.30

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)		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.	φD x L	R.C.
1.0													4x5.7	7	4x5.7	7	4x5.7	7
2.2													4x5.7	11	4x5.7	11	4x5.7	9
3.3													4x5.7	11	4x5.7	11	5x5.8	11
4.7									4x5.7	13	4x5.7	13	4x5.7	13	5x5.7	13	5x5.8	14
6.8									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	16	5x5.8	16
10									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	17	6.3x5.7	21
22									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	18	6.3x5.7	35
33									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	19	6.3x5.7	50
47									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	20	6.3x5.7	60
68									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	21	6.3x5.7	84
100									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	22	6.3x5.7	90
150									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	23	6.3x5.7	133
220									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	24	6.3x5.7	140
330									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	25	6.3x5.7	155
470									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	26	6.3x5.7	180
680									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	27	6.3x5.7	
1000									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	28	6.3x5.7	
1500									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	29	6.3x5.7	
2200									4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	30	6.3x5.7	

Note1: Case size φD x L(mm), ripple current (mA, rms) at 105℃, 120Hz.
Note2: Produce custom product too, which are not found in these tables.