

SGV 系列
SERIES

UPGRADE

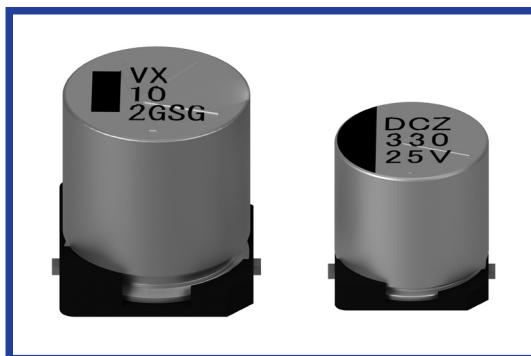
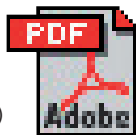
105°C 标准品
105°C Standard

·105°C 2000~5000小时品。
Load Life : 105°C 2000~5000 hours.

RoHS compliance

·可对应AEC-Q200。
AEC-Q200.

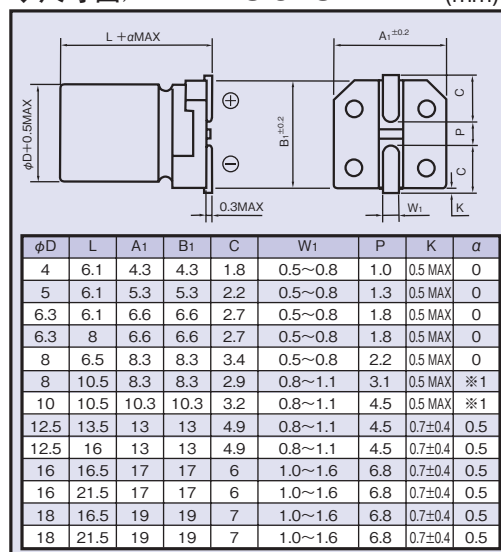
·可对应高温回流焊接。(JGV系列)
High Temperature Reflow soldering is available. (JGV series)
(http://www.rubycon.co.jp/en/catalog/e_pdfs/aluminum/e_JGV.pdf)



规格表 / SPECIFICATIONS

项目 Items	特性 Characteristics																																														
工作温度范围 Category Temperature Range	-55~+105°C	-40~+105°C	-25~+105°C																																												
额定电压范围 Rated Voltage Range	6.3~50Vdc	63, 100Vdc	160~450Vdc																																												
静电容量允许差 Capacitance Tolerance	±20% (20°C, 120Hz)																																														
漏电流 Leakage Current(MAX)	6.3~100Vdc		160~450Vdc																																												
	小于I=0.01CV和3μA中的较大值 I=0.01CV or 3μA whichever is greater. (施加额定电压2分钟后) (After 2 minutes application of rated voltage)		I=0.04CV+100μA以下(1分钟值) I=0.04CV+100μA (1minute) I=0.02CV+25μA以下(5分钟值) I=0.02CV+25μA (5minutes)																																												
	I=漏电流(μA) Leakage Current	C=静电容量(μF) Capacitance	V=额定电压(Vdc) Rated Voltage																																												
损失角正切值 (tanδ) Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>额定电压(Vdc) Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> <th>160 ~250</th> <th>400 450</th> <th>(20°C, 120Hz)</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>φ4, φ5, φ6.3×6.1</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td>φ6.3×8, φ8~φ18</td> <td>0.35</td> <td>0.26</td> <td>0.24</td> <td>0.18</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> <td>0.15</td> <td>0.20</td> </tr> </tbody> </table>			额定电压(Vdc) Rated Voltage	6.3	10	16	25	35	50	63	100	160 ~250	400 450	(20°C, 120Hz)	tanδ	φ4, φ5, φ6.3×6.1	0.30	0.24	0.20	0.16	0.14	0.12	-	-	-	-		φ6.3×8, φ8~φ18	0.35	0.26	0.24	0.18	0.14	0.12	0.12	0.10	0.15	0.20								
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对于额定静电容量超过1000μF的产品,其静电容量每增加1000μF,则损失角正切值在上表的基础上加上0.02。 When rated capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.																																															
耐久 Endurance	在105°C环境中,不超过额定电压的范围内叠加额定纹波电流,连续加载右表时间后,满足以下各项要求。 After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.																																														
	静电容量变化率 Capacitance Change	初期值的±25%以内 Within ±25% of the initial value.								额定电压(Vdc) Rated Voltage	时间(hrs) Life Time																																				
	损失角正切值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.								6.3~100	2000																																				
漏电流 Leakage Current	规格值以下 Not more than the specified value.								160~450	5000																																					
低温特性 Low Temperature Stability (阻抗比) Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>额定电压(Vdc) Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> <th>160 ~250</th> <th>400 450</th> <th>(120Hz)</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>3</td> <td>6</td> <td></td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>5</td> <td>5</td> <td>-</td> <td>-</td> <td></td> </tr> </tbody> </table>											额定电压(Vdc) Rated Voltage	6.3	10	16	25	35	50	63	100	160 ~250	400 450	(120Hz)	Z(-25°C)/Z(20°C)	4	3	2	2	2	2	2	2	3	6		Z(-40°C)/Z(20°C)	8	8	4	4	3	3	5	5	-	-	
	额定电压(Vdc) Rated Voltage	6.3	10	16	25	35	50	63	100	160 ~250	400 450	(120Hz)																																			
	Z(-25°C)/Z(20°C)	4	3	2	2	2	2	2	2	3	6																																				
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尺寸图 / DIMENSIONS (mm)

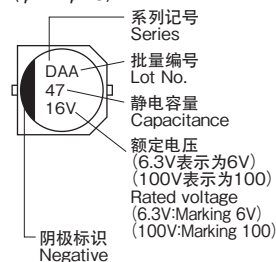


※1:α尺寸

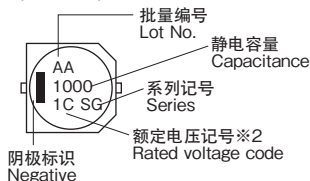
额定电压(Vdc) Rated Voltage	α
6.3~100	0
160~400	0.2

标识 / MARKING

(φ4~φ10)



(φ12.5~φ18)



※2电压记号 Voltage Code

额定电压(Vdc) Rated Voltage	6.3	10	16	25	35	50	63	100	160	200	250	400	450
额定电压记号 Rated Voltage code	0J	1A	1C	1E	1V	1H	1J	2A	2C	2D	2E	2G	2W

纹波电流修正系数 /
MULTIPLIER FOR RIPPLE CURRENT

频率(Hz) Frequency		60(50)	120	500	1k	10k≤
系数 Coefficient	0.47~1μF	0.50	1.00	1.20	1.30	1.50
	2.2~6.8μF	0.65	1.00	1.20	1.30	1.50
	10~68μF	0.80	1.00	1.20	1.30	1.50
	100~1000μF	0.80	1.00	1.10	1.15	1.20
	2200~6800μF	0.80	1.00	1.05	1.10	1.15

产品型号体系 / PART NUMBER



