

JGV SERIES

105°C Standard, High Temperature Reflow Soldering

- Load Life : 105°C 2000 hours.
- AEC-Q200.

RoHS
compliance



SPECIFICATIONS

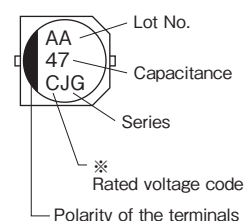
Items	Characteristics																															
Category Temperature Range	−55~+105℃																															
Rated Voltage Range	6.3~50Vdc																															
Capacitance Tolerance	±20%(20℃,120Hz)																															
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)																															
Dissipation Factor(MAX) (tanδ)	<table><tr><td colspan="2">Rated Voltage (Vdc)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td rowspan="2">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></tr><tr><td>φ6.3×8,φ8~φ10</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></tr></table> (20℃,120Hz)								Rated Voltage (Vdc)		6.3	10	16	25	35	50	tanδ	φ4,φ5,φ6.3×6.1	0.30	0.24	0.20	0.16	0.14	0.12	φ6.3×8,φ8~φ10	0.35	0.26	0.24	0.18	0.14	0.12	
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Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td colspan="7">Within ±25% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="7">Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="7">Not more than the specified value.</td></tr></table>								Capacitance Change	Within ±25% of the initial value.							Dissipation Factor	Not more than 200% of the specified value.							Leakage Current	Not more than the specified value.						
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Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td colspan="2">Rated Voltage (Vdc)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td colspan="2">Z(−25℃)/Z(20℃)</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td colspan="2">Z(−40℃)/Z(20℃)</td><td>8</td><td>8</td><td>4</td><td>4</td><td>3</td><td>3</td></tr></table> (120Hz)								Rated Voltage (Vdc)		6.3	10	16	25	35	50	Z(−25℃)/Z(20℃)		4	3	2	2	2	2	Z(−40℃)/Z(20℃)		8	8	4	4	3	3
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Z(−40℃)/Z(20℃)		8	8	4	4	3	3																									

MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	0.47~1μF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7μF	0.65	1.00	1.20	1.30	1.50
	10~47μF	0.80	1.00	1.20	1.30	1.50
	100~1000μF	0.80	1.00	1.10	1.15	1.20

MARKING



※ Voltage Code

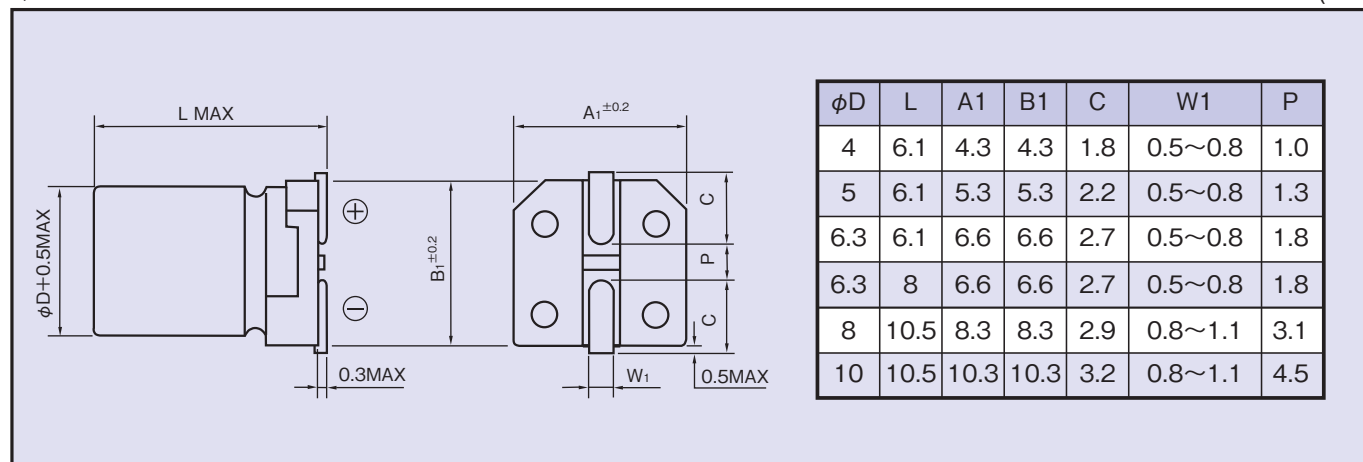
Rated Voltage (Vdc)	6.3	10	16	25	35	50
Rated Voltage code	j	A	C	E	V	H

PART NUMBER

□□□ Rated Voltage JGV Series □□□□□ Capacitance M Capacitance Tolerance □□□ Option D×L Case Size

◆ DIMENSIONS

(mm)



◆ **STANDARD SIZE**

Size $\phi D \times L$ (mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)[illegible]