

JGV SERIES
NEW
105°C Long Life, High Temperature Reflow Soldering.
◆ FEATURES

- Load Life : 105°C 2000 hours.
- High Temperature reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.

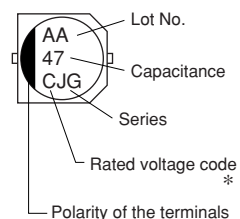

◆ SPECIFICATIONS

Items	Characteristics																													
Category Temperature Range	-55 ~ +105°C																													
Rated Voltage Range	6.3 ~ 50V.DC																													
Capacitance Tolerance	±20% (20°C, 120Hz)																													
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)																													
Dissipation Factor(MAX) (tanδ)	<table><tr><td colspan="2">Rated Voltage (V)</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°C, 120Hz) When rated capacitance is over 1000 μF, tanδ shall be added 0.02 to the listed value with increase of every 1000 μF.							Rated Voltage (V)		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 hrs at 105°C, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td>Within ± 25% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td>Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td>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>Rated Voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><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></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></tr></table> (120Hz)							Rated Voltage (V)	6.3	10	16	25	35	50	Z(-25°C) /Z(20°C)	4	3	2	2	2	2	Z(-40°C) /Z(20°C)	8	8	4	4	3	3		
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◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)	60(50)	120	500	1k	10k≤
Coefficient					
0.1~1 μF	0.50	1.00	1.20	1.30	1.50
2.2~4.7 μF	0.65	1.00	1.20	1.30	1.50
10~47 μF	0.80	1.00	1.20	1.30	1.50
100~1000 μF	0.80	1.00	1.10	1.15	1.20

◆ MARKING


*Voltage Code

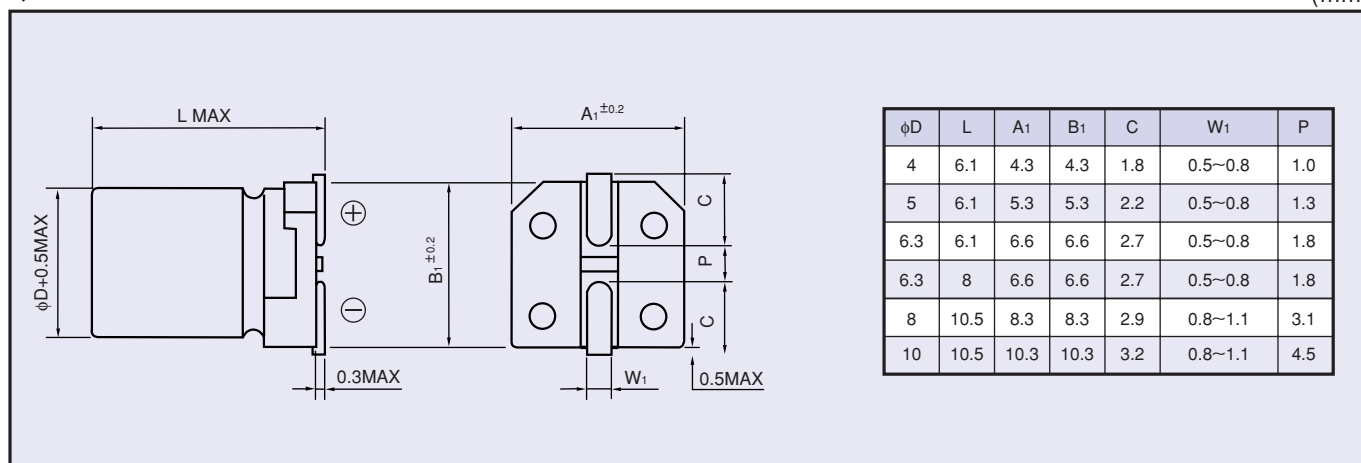
Rated Voltage (V)	6.3	10	16	25	35	50
Rated Voltage code	j	A	C	E	V	H

◆ PART NUMBER

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

◆ DIMENSIONS

(mm)



◆ **STANDARD SIZE, RATED RIPPLE CURRENT**

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