

JGV SERIES

105°C Standard, High Temperature Reflow Soldering

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



◆ SPECIFICATIONS

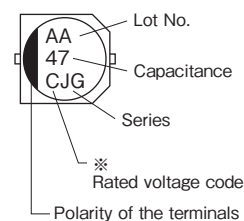
Items	Characteristics																							
Category Temperature Range	-55~+105°C																							
Rated Voltage Range	6.3~50Vdc																							
Capacitance Tolerance	±20% (20°C, 120Hz)																							
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA)      C=Capacitance(μF)      V=Rated Voltage(Vdc)																							
Dissipation Factor(MAX) (tanδ)	<table border="1"> <thead> <tr> <th colspan="2">Rated Voltage (Vdc)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>(20°C, 120Hz)</p>	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
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																	
Endurance	<p>After applying rated voltage with rated ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tbody> <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> </tbody> </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.																	
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.																							
Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</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> </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> </tbody> </table> <p>(120Hz)</p>	Rated Voltage (Vdc)	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		
Rated Voltage (Vdc)	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																		

◆ 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

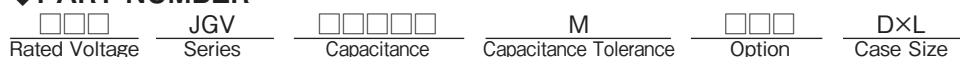
◆ MARKING



※ Voltage Code

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

◆ PART NUMBER





# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Rubycon:

[16JGV100M6.3X8](#) [50JGV4R7M5X6.1](#) [25JGV330M10X10.5](#) [50JGV100M8X10.5](#) [6.3JGV220M6.3X8](#)  
[6.3JGV33M4X6.1](#) [16JGV47M6.3X6.1](#) [6.3JGV1000M10X10.5](#) [50JGV1M4X6.1](#) [50JGV22M6.3X8](#) [6.3JGV47M5X6.1](#)  
[25JGV47M6.3X8](#) [50JGV2R2M4X6.1](#) [35JGV22M6.3X6.1](#) [25JGV100M8X10.5](#) [50JGV33M8X10.5](#) [50JGV0R47M4X6.1](#)  
[50JGV47M10X10.5](#) [6.3JGV470M8X10.5](#) [6.3JGV22M4X6.1](#) [50JGV10M6.3X6.1](#) [16JGV330M10X10.5](#)  
[50JGV100M10X10.5](#) [50JGV3R3M4X6.1](#) [35JGV220M10X10.5](#) [16JGV10M4X6.1](#) [25JGV220M8X10.5](#)  
[25JGV33M6.3X6.1](#) [35JGV100M10X10.5](#) [50JGV47M8X10.5](#) [16JGV22M5X6.1](#) [16JGV330M8X10.5](#)  
[25JGV470M10X10.5](#) [25JGV220M10X10.5](#) [35JGV100M8X10.5](#) [35JGV10M5X6.1](#) [10JGV100M6.3X6.1](#)  
[10JGV470M10X10.5](#) [16JGV470M8X10.5](#) [10JGV330M8X10.5](#) [10JGV33M5X6.1](#) [16JGV470M10X10.5](#)