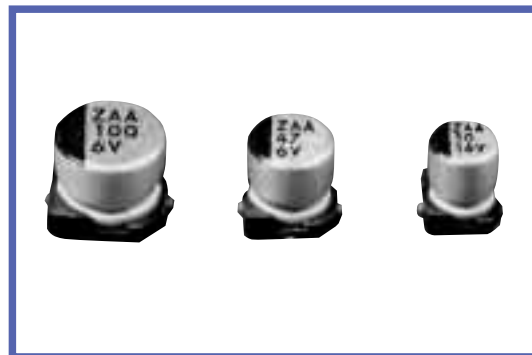


RZV SERIES
105°C Low Impedance.
◆ FEATURES

- Load Life : 105°C 1000 hours.
- Reflow soldering is available.
- Available for high density mounting.
- Low impedance at 100kHz with selected materials.


◆ SPECIFICATIONS

Items	Characteristics																					
Operating Temperature Range	-55~+105°C																					
Rated Voltage Range	6.3~35V.DC																					
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=Nominal Capacitance(μF) V=Rated Voltage(V)																					
Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td></td> </tr> </table>	Rated Voltage (V)	6.3	10	16	25	35	(20°C, 120Hz)	tanδ	0.22	0.19	0.16	0.14	0.12								
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tanδ	0.22	0.19	0.16	0.14	0.12																	
Load Life	<p>After applying rated voltage with max ripple current for 1000 hrs at 105°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±30% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>	Capacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 300% of the specified value.	Leakage Current	Not more than the specified value.															
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>Z(-55°C)/Z(20°C)</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td></td> </tr> </table>	Rated Voltage (V)	6.3	10	16	25	35	(120Hz)	Z(-25°C)/Z(20°C)	2	2	2	2	2		Z(-55°C)/Z(20°C)	8	6	4	3	3	
Rated Voltage (V)	6.3	10	16	25	35	(120Hz)																
Z(-25°C)/Z(20°C)	2	2	2	2	2																	
Z(-55°C)/Z(20°C)	8	6	4	3	3																	

◆ MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency coefficient

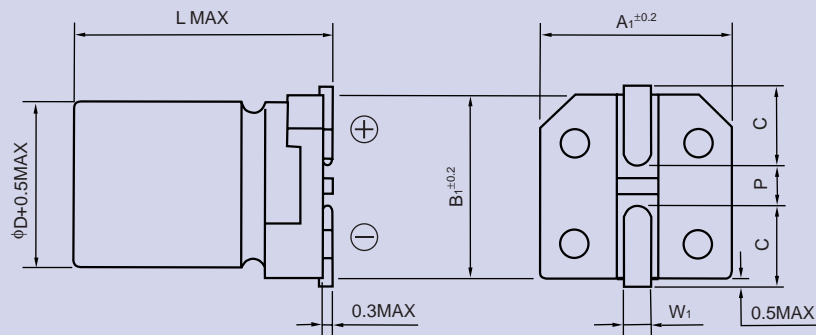
Frequency(Hz)	60(50)	120	1k	10k	100k≤
1~6.8μF	0.35	0.42	0.60	0.80	1.00
10~33μF	0.45	0.55	0.75	0.90	1.00
47~100μF	0.60	0.70	0.85	0.95	1.00

(2) Temperature coefficient

Ambient Temperature (°C)	105	85	65≥
Coefficient	1.0	1.7	2.1

◆ DIMENSIONS

(mm)



φD	L	A ₁	B ₁	C	W ₁	P
4	5.5	4.3	4.3	1.8	0.5~0.8	1.0
5	5.5	5.3	5.3	2.1	0.5~0.8	1.4
6.3	5.5	6.6	6.6	2.5	0.5~0.8	2.0

◆ STANDARD SIZE

Size φD(mm), Ripple Current (mA r.m.s./105°C, 100kHz), Impedance(Ω MAX/20°C, 100kHz)

Cap(μF)	WV (V.DC)	6.3 (0J)			10 (1A)			16 (1C)			25 (1E)			35 (1V)		
		Size	Ripple	Z	Size	Ripple	Z	Size	Ripple	Z	Size	Ripple	Z	Size	Ripple	Z
1													4	53	5.5	
1.5													4	53	5.5	
2.2													4	53	5.5	
3.3													4	53	5.5	
4.7													4	53	5.5	
6.8													4	53	5.5	
10							4	53	5.5	5	85	2.8	5	85	2.8	
15							5	85	2.8	6.3	120	1.5	6.3	120	1.5	
22		4	53	5.5	5	85	2.8	5	85	2.8	6.3	120	1.5	6.3	120	1.5
33		5	85	2.8	5	85	2.8	6.3	120	1.5	6.3	120	1.5			
47		5	85	2.8	6.3	120	1.5	6.3	120	1.5						
68		6.3	120	1.5	6.3	120	1.5									
100		6.3	120	1.5												