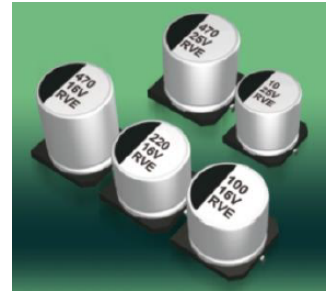


Chip Type 105°C Low Impedance Capacitors

- 4φ ~ 10φ, 2,000 hours at 105°C.
- Vertical chip type miniaturized for 5.4mm high capacitor.
- Available for high density surface mounting.



Marking color : Black

■ SPECIFICATIONS

Item	Performance																						
Category Temperature Range	-55°C~+105°C																						
Capacitance Tolerance	±20% (20°C, 120Hz)																						
Leakage Current (μA)	I = 0.01CV or 3 (μA) whichever is greater (after 2 minutes) Where, C = Rated capacitance in μF ; V = Rated DC working voltage in V																						
Dissipation Factor (Tanδ at 120Hz, 20°C)	<table border="1"> <tr> <td>Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tanδ (max)</td> <td>0.26</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> </tr> </table>	Rated Voltage	6.3	10	16	25	35	50	Tanδ (max)	0.26	0.20	0.16	0.14	0.12	0.12								
	Rated Voltage	6.3	10	16	25	35	50																
Tanδ (max)	0.26	0.20	0.16	0.14	0.12	0.12																	
When the capacitance exceeds 1,000μF, 0.02 shall be added every 1,000μF increase.																							
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																						
	<table border="1"> <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">Impedance Ratio</td> <td>Z (-25°C) / Z (+20°C)</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Z (-55°C) / Z (+20°C)</td> <td>12</td> <td>8</td> <td>6</td> <td>5</td> <td>5</td> <td>5</td> </tr> </table>	Rated voltage (V)		6.3	10	16	25	35	50	Impedance Ratio	Z (-25°C) / Z (+20°C)	6	4	4	3	3	3	Z (-55°C) / Z (+20°C)	12	8	6	5	5
Rated voltage (V)		6.3	10	16	25	35	50																
Impedance Ratio	Z (-25°C) / Z (+20°C)	6	4	4	3	3	3																
	Z (-55°C) / Z (+20°C)	12	8	6	5	5	5																
Endurance (105°C) (Applied ripple current)	Test time	2,000 hours																					
	Capacitance Change	Within ±30% of initial value																					
	Dissipation Factor	Less than 300% of specified value																					
	Leakage Current	Within specified value																					
* The above Specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hours at 105°C.																							
Shelf life (105°C)	Test time	1,000 Hrs																					
	Capacitance Change	Within ±30% of initial value																					
	Dissipation Factor	Less than 300% of specified value																					
	Leakage Current	Within specified value																					
* The above Specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied.																							
Ripple Current & Frequency Multipliers	Frequency (Hz)	50, 60	120	10k	100k																		
	1 - 47μF	0.50	0.60	0.90	1.00																		
	100 -1000uF	0.55	0.60	0.95	1.00																		

■ OUTLINE DRAWING

Unit : mm

φD	L	A	B	C	W	P
4	5.4±0.5	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4±0.5	5.3	5.3	6.0	0.5 to 0.8	1.5
6.3	5.4±0.5	6.6	6.6	7.2	0.5 to 0.8	2.1
6.3	7.7±0.5	6.6	6.6	7.2	0.5 to 0.8	2.1
8	10.2±0.5	8.3	8.3	9.1	0.7 to 1.1	3.1
10	10.2±0.5	10.3	10.3	11.1	0.7 to 1.1	4.5

NOTE

Design, Specifications are subject to change without notice.
Ask factory for technical specifications before purchase and/or use.

CHIP TYPE Aluminum Electrolytic Capacitors



■ STANDARD RATINGS

wV	6.3			10			16			25			35			50		
uF	D×Lmm	Z	mA	D×Lmm	Z	mA	D×Lmm	Z	mA	D×Lmm	Z	mA	D×Lmm	Z	mA	D×Lmm	Z	mA
2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	5.0	30
4.7	-	-	-	-	-	-	-	-	-	-	-	-	4x5.4	3.2	60	-	-	-
10	-	-	-	-	-	-	-	-	-	4x5.4	3.2	60	5x5.4	1.5	110	-	-	-
22	-	-	-	-	-	-	4x5.4	3.2	60	5x5.4	1.5	110	6.3x5.4	0.85	170	6.3x5.4	2.0	70
							5x5.4	1.5	110							6.3x7.7	1.0	120
33	-	-	-	-	-	-	-	-	-	6.3x5.4	0.85	170	6.3x5.4	0.85	170	-	-	-
47	-	-	-	-	-	-	5x5.4	1.5	110	-	-	-	6.3x5.4	0.85	170	6.3x7.7	1.0	120
													6.3x7.7	0.60	230			
100	5x5.4	1.5	110	-	-	-	6.3x5.4	0.85	170	6.3x7.7	0.60	230	6.3x7.7	0.60	230	8x10.2	0.60	300
													8x10.2	0.43	450			
220	6.3x5.4	0.85	170	6.3x7.7	0.60	230	6.3x7.7	0.60	230	8x10.2	0.43	450	8x10.2	0.43	450	10x10.2	0.30	500
													10x10.2	0.23	670			
330	6.3x7.7	0.60	230	6.3x7.7	0.60	230	8x10.2	0.43	450	8x10.2	0.43	450	-	-	-	-	-	-
470	-	-	-	-	-	-	8x10.2	0.43	450	10x10.2	0.23	670	10x10.2	0.23	670	-	-	-
1000	8x10.2	0.43	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Rated ripple current : (mA, 105°C, 100KHz) Impedance (Z) : (Ω, 20°C, 100KHz)

NOTE
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