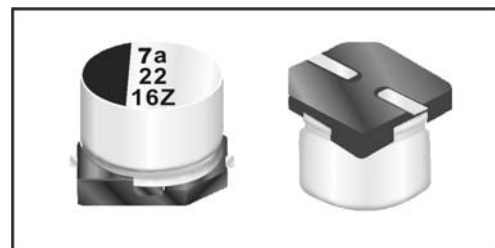
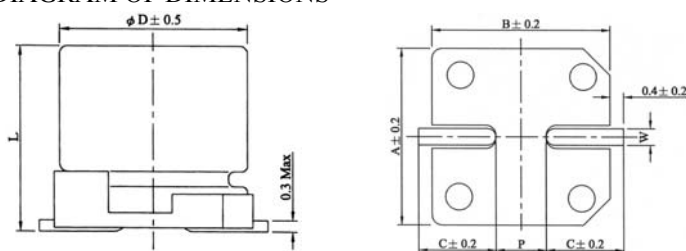


- $4 \sim 6.3 \phi$, 105°C , 1,000 hours assured
- Low impedance capacitors
- Designed for surface mounting on high density PC board.
- RoHS Compliance



Items	Performance																				
Operating Temperature Range	-55℃ ~ +105℃																				
Capacitance Tolerance	±20% (at 120Hz, 20℃)																				
Leakage Current (at 20℃)	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 (Tan δ at 120Hz, 20℃)	<table><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>Tan δ (max)</td><td>0.28</td><td>0.24</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td></tr></table>							Rated Voltage	6.3	10	16	25	35	50	Tan δ (max)	0.28	0.24	0.20	0.16	0.14	0.12
Rated Voltage	6.3	10	16	25	35	50															
Tan δ (max)	0.28	0.24	0.20	0.16	0.14	0.12															
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																				
	Rated Voltage		6.3	10	16	25	35	50													
	Impedance Ratio	Z(-25℃)/Z(+20℃)	4	3	2	2	2	2													
Z(-40℃)/Z(+20℃)		8	5	4	3	3	3														
Load Life Test	Test Time		1,000 Hrs																		
	Capacitance Change		Within ±25% of initial value																		
	Dissipation Factor		Less than 200% of specified value																		
	Leakage Current		Within specified value																		
	* The above specifications shall be satisfied when the capacitors are restored to 20℃after the rated voltage applied for 1,000 hrs at 105℃.																				
Shelf Life Test	Test time: 1,000 hrs; other items are the same as those for the load life test.																				
Ripple Current & Frequency Multipliers	<table><tr><td>Freq.(Hz) V.DC(V)</td><td>50, 60</td><td>120</td><td>1K</td><td>10K up</td></tr><tr><td>6.3 ~ 50</td><td>0.64</td><td>0.8</td><td>0.93</td><td>1.0</td></tr></table>							Freq.(Hz) V.DC(V)	50, 60	120	1K	10K up	6.3 ~ 50	0.64	0.8	0.93	1.0				
Freq.(Hz) V.DC(V)	50, 60	120	1K	10K up																	
6.3 ~ 50	0.64	0.8	0.93	1.0																	
Other Standards	JIS C 5101-1, -18																				



LEAD STACKING AND DIAMETER						Unit: mm
ϕ D	L	A	B	C	W	P $\pm$ 0.2
4	5.3 $\pm$ 0.2	4.3	4.3	2.0	0.5 to 0.8	1.0
5	5.3 $\pm$ 0.2	5.3	5.3	2.3	0.5 to 0.8	1.5
6.3	5.3 $\pm$ 0.2	6.6	6.6	2.7	0.5 to 0.8	2.0
6.3	7.7 $\pm$ 0.3	6.6	6.6	2.7	0.5 to 0.8	2.0

Impedance : Ω at 100KHz, 20°C

DIMENSION & PERMISSIBLE RIFLE CURRENT		Impedance: $\frac{1}{2}$ at 100Hz, 20°C																				
μ F	Content	V.DC			6.3V (0J)			10V (1A)			16V (1C)			25V (1E)			35V (1V)			50V (1H)		
		ϕ D×L	Imp.	R.C.	ϕ D×L	Imp.	R.C.	ϕ D×L	Imp.	R.C.	ϕ D×L	Imp.	R.C.	ϕ D×L	Imp.	R.C.	ϕ D×L	Imp.	R.C.	ϕ D×L	Imp.	R.C.
1.0	010																			4×5.3	5.0	30
2.2	2R2																			4×5.3	5.0	30
3.3	3R3																			4×5.3	5.0	30
4.7	4R7													4×5.3	3.20	65	4×5.3	3.20	65	5×5.3	3.0	50
10	100				4×5.3	3.20	65	4×5.3	3.20	65	5×5.3	1.50	110	5×5.3	1.50	110	5×5.3	1.50	110	6.3×5.3	2.0	70
22	220	4×5.3	3.20	65	5×5.3	1.50	110	5×5.3	1.50	110	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×5.3	2.0	70
33	330	5×5.3	1.50	110	5×5.3	1.50	110	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×7.7	1.0	170
47	470	5×5.3	1.50	110	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×7.7	0.50	255			
100	101	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×5.3	0.85	170	6.3×7.7	0.50	255									
150	151	6.3×7.7	0.50	255	6.3×7.7	0.50	255	6.3×7.7	0.50	255												
220	221	6.3×7.7	0.50	255	6.3×7.7	0.50	255	6.3×7.7	0.50	255												