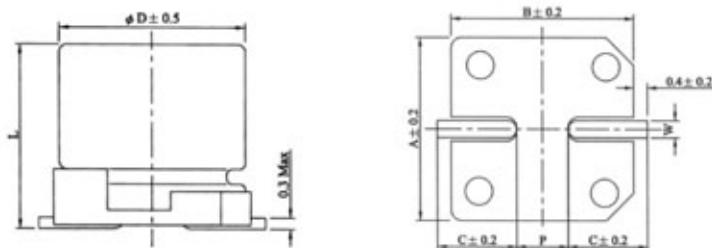
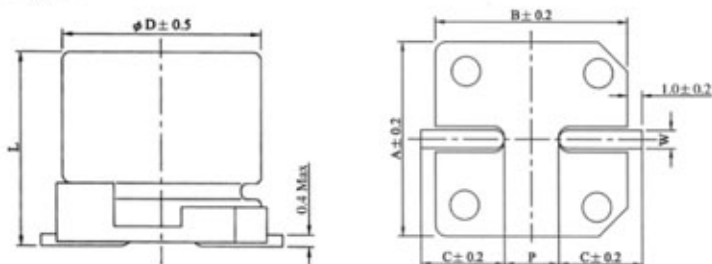


SPECIFICATIONS

Items	Performance												
Operating Temperature Range	-40°C ~ +105°C												
Capacitance Tolerance	± 20% (at 120Hz, 20°C)												
Leakage Current (at 20°C)	Case D55-H10	6.3-100V	I=0.01CV or 3 μA, whichever is greater, after 2minutes at +20°C										
	Case K14-L17	6.3-100V	I=0.03CV or 4 μA, whichever is greater, after 1minutes at +20°C										
	Case K14-L17	160-450V	I=0.04CV +100 μA after 1minutes at +20°C										
Where I=leakage current C= rated capacitance in μF. V = rated DC working voltage in V.													
Dissipation Factor (Tan δ at 120Hz, 20°C)	Rated Voltage	6.3	10	16	25	35	50	63	100	160-250	400-450		
	Case D55-H10	0.45	0.35	0.28	0.18	0.16	0.14	0.12	0.12	-	-		
	Case K14-L17	0.40	0.38	0.34	0.26	0.22	0.18	0.14	0.10	0.20	0.25		
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	63	100	160-250	400-450	
	Impedance Ratio	Z(-25°C) / Z(+20°C)	Case D55-H10	4	3	2	2	2	2	2	3	-	-
			Case K14-L17	5	4	3	2	2	2	2	2	3	6
Z(-40°C) / Z(+20°C)		Case D55-H10	12	8	6	4	3	3	3	4	-	-	
		Case K14-L17	10	8	6	4	3	3	3	3	6	10	
Load Life Test	Test Time	2000 Hrs											
	Case code	D55-F80					G10-L17						
	Capacitance Change	Within ±25% of initial value					Within ±20% of initial value						
	Dissipation Factor	Less than 200% of specified value					Less than 200% of specified value						
	Leakage Current	Within specified value					Within specified value						
* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied with rated ripple current for 2000 hrs at 105°C.													
Shelf Life Test	Test time: 1000 hrs; other items are the same as those for the load life test.												
Other Standards	JIS C 5101-18												

DIAGRAM OF DIMENSIONS
Fig 1

Fig 2


Unit: mm

φD	L	A	B	C	W	P±0.2	Fig No.
4	5.7±0.3	4.3	4.3	2.0	0.5 to 0.8	1.0	1
5	5.7±0.3	5.3	5.3	2.3	0.5 to 0.8	1.5	1
6.3	5.7±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	1
6.3	7.7±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	1
8	10±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	1
10	10±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	1
12.5	13.5±0.5	12.8	12.8	4.9	1.1 to 1.4	4.6	2
12.5	16±0.5	12.8	12.8	4.9	1.1 to 1.4	4.6	2
16	16.5±0.5	16.3	16.3	5.8	1.8 to 2.2	6.0	2

CE32 Type

 Dimension: $\varphi D \times L$ (mm)

Ripple Current: mA/rms at 120 Hz, 105°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
μF	Contents	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA
0.1	0R1											4×5.7	2
0.22	R22											4×5.7	3
0.33	R33											4×5.7	4
0.47	R47											4×5.7	5
1	010											4×5.7	10
2.2	2R2											4×5.7	16
3.3	3R3											4×5.7	18
4.7	4R7							4×5.7	13	4×5.7	16	5×5.7	20
10	100					4×5.7	17	5×5.7	23	5×5.7	27	6.3×5.7	32
22	220					5×5.7	30	6.3×5.7	38	6.3×5.7	44	6.3×5.7	47
33	330					6.3×5.7	45	6.3×5.7	50	6.3×5.7	54	6.3×7.7	65
47	470			6.3×5.7	48	6.3×5.7	48	6.3×5.7	60	6.3×7.7	80	6.3×7.7	80
100	101	6.3×5.7	69	6.3×5.7	69	6.3×5.7	69	6.3×7.7	100	6.3×7.7	100	8×10	230
220	221	6.3×7.7	120	6.3×7.7	120	6.3×7.7	120	8×10	320	10×10	375	10×10	375
330	331	8×10	290	8×10	290	8×10	290	10×10	450	10×10	450	12.5×13.5	500
470	471	8×10	320	8×10	320	8×10	320	10×10	490	12.5×13.5	520	12.5×16	550
1000	102	10×10	410	10×10	410	12.5×13.5	550	12.5×16	550	16×16.5	750		
2200	222	12.5×13.5	680	12.5×16	750	16×16.5	950	16×16.5	820				
3300	332	12.5×16	850	16×16.5	1000	16×16.5	950						
4700	472	16×16.5	1000	16×16.5	1000								
6800	682	16×16.5	1000										

V.DC		63V (1J)		100V (2A)		160V (2C)		200V (2D)		250V (2E)		400V (2G)	
μF	Contents	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA
0.47	R47	4×5.7	5										
1	010	4×5.7	8										
2.2	2R2	4×5.7	12										
3.3	3R3	5×5.7	17							12.5×13.5	65		
4.7	4R7	6.3×5.7	22							12.5×13.5	68	12.5×13.5	50
10	100	6.3×5.7	32					12.5×13.5	80	12.5×13.5	72	12.5×13.5	65
22	220	6.3×7.7	58	8×10	100			12.5×13.5	90	12.5×13.5	90	16×16.5	85
33	330	8×10	140	10×10	150	12.5×13.5	95	12.5×16	110	16×16.5	180		
47	470	8×10	170	12.5×13.5	250	12.5×16	110	16×16.5	220	16×16.5	180		
100	101	10×10	310	12.5×13.5	380	16×16.5	190						
220	221	12.5×13.5	470	16×16.5	450								
330	331	16×16.5	700										
470	471	16×16.5	700										

V.DC		450V (2W)	
μF	Contents	$\varphi D \times L$	mA
3.3	3R3	12.5×13.5	40
4.7	4R7	12.5×13.5	50
10	100	12.5×16	55
22	220	16×16.5	85