



tanδ (max)	Φ4~Φ8x6.2	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.12	0.12
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- Stability At Low Temp.

Measurement frequency: 120Hz

Impedance Ratio	Φ4~Φ8x6.2	Rated Voltage (V)									
		4	6.3	10	16	25	35	50~63	100		
		Z-25°C / Z+20°C	7	4	3	2	2	2	2	3	3
		Z-40°C / Z+20°C	15	8	6	4	4	3	3	3	4

- Load Life the characteristics

After 2000 hours (1000hrs. for Φ4~Φ6.3x5.4) application of rated voltage at 105°C, capacitors meet requirements listed below.

Capacitance Change	within ± 20% of initial value for capacitors of 10V or more
Dissipation Factor	200% or less of initial specified value
Leakage Current	Initial specified value or less

- Self Life

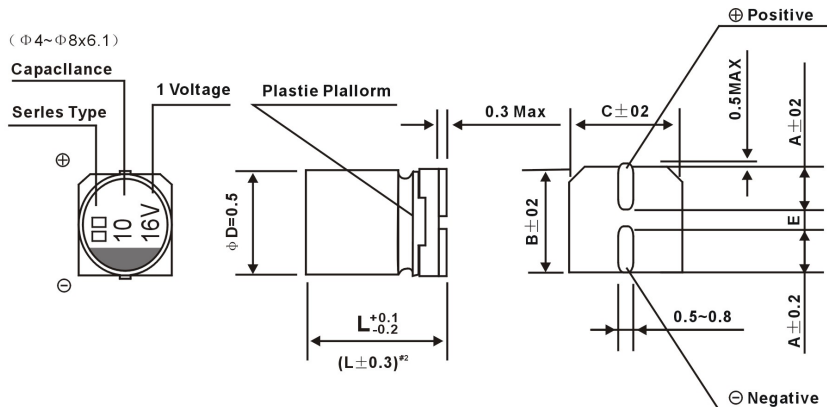
After leaving capacitors under no load at 105°C for 1000 hours, they meet the specified value for load life characteristics listed above.

- Resistance to Soldering Heat

After reflow soldering and restored at room temperature, they meet the characteristics listed below.

Capacitance Change	Within ± 10% of initial value
Tan δ	Initial specified value or less
Leakage Current	Initial specified value or less

## DRAWING



#1 Voltage mark for 6.3V is [6V]

#2 Applicable to 6.3 x 7.7

ΦDxL	4x5.4	5x5.4	6.3x5.4	6.3x7.7	8x6.2
A	1.8	2.1	2.4	2.4	3.3
B	4.3	5.3	6.6	6.6	8.3
C	4.3	5.3	6.6	6.6	8.3
E±0.2	1.0	1.3	2.2	2.2	2.2
L	5.4	5.4	5.4	7.7	6.2

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Coefficient	Φ4~Φ8x6.2	0.1~68uF	0.70	1.00	1.17	1.36	1.50
		100~470uF	0.85	1.00	1.08	1.2	1.30

## ■ STANDARD SIZE

WV/V Cap/μF		4		6.3		10		16		25		35		50	
		0G		0J		1A		1C		1E		1V		1H	
0.1	0R1	--	--	--	--	--	--	--	--	--	--	--	--	4x5.4	0.7
0.22	R22	--	--	--	--	--	--	--	--	--	--	--	--	4x5.4	1.6
0.33	R33	--	--	--	--	--	--	--	--	--	--	--	--	4x5.4	2.5
0.47	R47	--	--	--	--	--	--	--	--	--	--	--	--	4x5.4	3.5
1	010	--	--	--	--	--	--	--	--	--	--	--	--	4x5.4	7
2.2	2R2	--	--	--	--	--	--	--	--	--	--	--	--	4x5.4	11
3.3	3R3	--	--	--	--	--	--	--	--	--	--	--	--	4x5.4	13
4.7	4R7	--	--	--	--	--	--	--	--	--	--	--	--	5x5.4 4x5.4	16 13
10	100	--	--	--	--	--	--	4x5.4	18	5x5.4 4x5.4	20 14	5x5.4 4x5.4	21 14	6.3x5.4	24
22	220	--	--	4x5.4	22	5x5.4 4x5.4	25 20	5x5.4 4x5.4	27 20	6.3x5.4 5x5.4	36 25	6.3x5.4	38	6.3x7.7 6.3x5.4 8 x 6.2	51 42 70
33	330	5x5.4 4x5.4	30 18	5x5.4 4x5.4	27 22	5x5.4 4x5.4	30 22	6.3x5.4 5x5.4	40 28	6.3x5.4 4x5.4	44 29	6.3x5.4 8 x 6.2	42 84	6.3x7.7	60
47	470	5x5.4 4x5.4	36 24	5x5.4 4x5.4	33 25	6.3x5.4 5x5.4	41 30	6.3x5.4 5x5.4	48 31	6.3x5.4 8 x 6.2	48 91	6.3x7.7 6.3x5.4	70 50	6.3x7.7	120
100	101	6.3x5.4 5x5.4	60 43	6.3x5.4 5x5.4	50 39	6.3x5.4 8 x 6.2	60	6.3x5.4 8 x 6.2	60 120	6.3x7.7	91	6.3x7.7	84	--	--
150	151	6.3x5.4	52	6.3x5.4	55	6.3x5.4	62	6.3x7.7	95	6.3x7.7	100	--	--	--	--
220	221	6.3x5.4	57	6.3x7.7 6.3x5.4	105 67	6.3x7.7 8 x 6.2	105 105	6.3x7.7 8 x 6.2	105 85	--	--	--	--	--	--
330	331	6.3x7.7	100	6.3x7.7	105	--	--	--	--	--	--	--	--	--	--
470	471	6.3x7.7	105	6.3x7.7	120	--	--	--	--	--	--	--	--	--	--

V/V Cap/μF		63		100	
		1J		2A	
0.1	0R1	4x5.4	0.7	--	--
0.22	R22	4x5.4	1.6	--	--
0.33	R33	4x5.4	2.5	--	--
0.47	R47	4x5.4	3.5	--	--
1	010	4x5.4	7	4x5.4	7
2.2	2R2	4x5.4	11	6.3x5.4	14
3.3	3R3	5x5.4	13	6.3x7.7 6.3x5.4 8 x 6.2	32 20 30
4.7	4R7	5x5.4	16	6.3x7.7 6.3x5.4	35 21
10	100	6.3x7.7 6.3x5.4 8 x 6.2	39 24 25	6.3x7.7	35
22	220	6.3x7.7	49	--	--

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