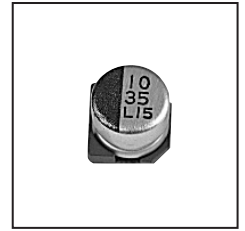


Features

- Load Life : 105°C 1000hours.
- For high density mounting.
- Low impedance at 100kHz.

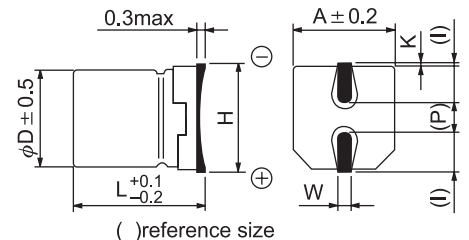


● SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-55 ~ +105°C							
Rated Working Voltage	6.3 ~ 50VDC							
Capacitance Tolerance (120Hz 20°C)	±20%(M)							
Leakage Current (20°C)	$I \leq 0.01CV$ or $3 (\mu A)$ *Whichever is greater after 2 minutes I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V)							
Surge Voltage (20°C)	W.V.	6.3	10	16	25	35	50	
	S.V.	8	13	20	32	44	63	
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	6.3	10	16	25	35	50	
	tan δ	0.22	0.19	0.16	0.14	0.12	0.12	
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)	6.3	10	16	25	35	50	
	-25°C / +20°C	2	2	2	2	2	2	
	-55°C / +20°C	5	4	4	3	3	3	
Load Life	After 1000 hours application of W.V. and +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage \leq rate working voltage)							
	Capacitance Change	$\leq \pm 30\%$ of initial value for 6.3 W.V., $\leq \pm 20\%$ of initial value for 10~50 W.V.						
	Dissipation Factor	$\leq 200\%$ of initial specified value						
	Leakage current	\leq initial specified value						
Shelf Life	At +105°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment)							
Resistance to Soldering Heat	Capacitor placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.							
	Capacitance Change	$\leq \pm 10\%$ of initial value						
	Dissipation Factor	\leq initial specified value						
	Leakage current	\leq initial specified value						

● DIMENSIONS (mm)

D	L	A	H	I	W	P	K
4.0	5.4	4.3	5.5MAX	1.8	0.65±0.1	1.0	0.35 ^{+0.15} _{-0.20}
5.0	5.4	5.3	6.5MAX	2.2	0.65±0.1	1.5	0.35 ^{+0.15} _{-0.20}
6.3	5.4	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 ^{+0.15} _{-0.20}



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max impedance : Ω 20°C 100kHz
 Max ripple current : mA(rms) 105°C 100kHz

μF	V(Code) Item Code	6.3 (0J)			10 (1A)			16 (1C)			25 (1E)			35 (1V)			50 (1H)				
		DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.	DxL	IMP.	R.C.		
1.0	010															4x5.4	3.9	60	4x5.4	4.9	30
2.2	2R2															4x5.4	3.6	60	4x5.4	4.5	30
3.3	3R3															4x5.4	3.0	60	4x5.4	3.7	30
4.7	4R7											4x5.4	3.1	60	4x5.4	2.5	60	5x5.4	3.1	41	
6.8	6R8											4x5.4	2.7	60	5x5.4	2.2	60	6.3x5.4	2.7	55	
10	100							4x5.4	3.3	60	5x5.4	2.4	65	5x5.4	1.9	70	6.3x5.4	2.4	70		
22	220	4x5.4	3.2	60	5x5.4	2.2	65	5x5.4	1.8	85	6.3x5.4	1.3	110	6.3x5.4	1.0	120					
33	330	5x5.4	2.4	65	5x5.4	1.7	75	6.3x5.4	1.4	120	6.3x5.4	1.0	140								
47	470	5x5.4	2.0	80	6.3x5.4	1.4	110	6.3x5.4	1.1	140											
68	680	6.3x5.4	1.5	110	6.3x5.4	1.1	130														
100	101	6.3x5.4	1.2	130	6.3x5.4	0.9	150														

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