

CHIP TYPE

CL

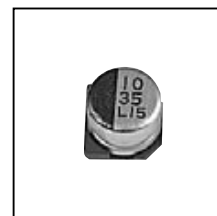
Series

Surface Mounted Device

JAMICON®

Features

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

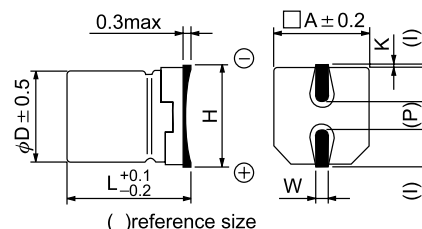


SPECIFICATION

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 ≤ 0.01CV or 3 (μA)				I : Leakage Current (μA)			
	*Whichever is greater after 2 minutes				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 ≤ rate working voltage)							
	Capacitance Change	≤ ±30% of initial value for 6.3 W.V., ≤ ±20% of initial value for 10~50 W.V.						
	Dissipation Factor	≤ 200% of initial specified value						
	Leakage current	≤ 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	≤ ± 10% of initial value						
	Dissipation Factor	≤ initial specified value						
	Leakage current	≤ 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												