

CHIP TYPE

CL Series

Surface Mounted Device

JAMICON®

CH CL CF

Features

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

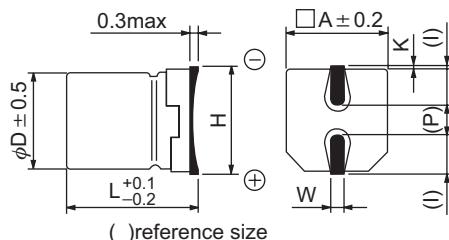


SPECIFICATION

Item	Characteristic													
Operation Temperature Range	-55 ~ +105°C													
Rated Working Voltage	6.3 ~ 50VDC													
Capacitance Tolerance (120Hz 20°C)	$\pm 20\%$ (M)													
Leakage Current (20°C)	$I \leq 0.01CV$ or $3 (\mu A)$					I : Leakage Current (μA)								
	*Whichever is greater after 2 minutes					C : Rated Capacitance (μF)								
Surge Voltage (20°C)	W.V.		6.3	10	16	25	35							
	S.V.		8	13	20	32	44							
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.		6.3	10	16	25	35							
	tan δ		0.22	0.19	0.16	0.14	0.12							
Low Temperature Stability	Impedance ratio at 120Hz													
	Rated Voltage (V)		6.3	10	16	25	35							
	-25°C / +20°C		2	2	2	2	2							
	-55 °C / +20°C		5	4	4	3	3							
Load Life	After 1000 hours application of WV at +105°C the capacitor shall meet the following limits.													
	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														
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