

CHIP TYPE

CS

Series

Surface Mounted Device

JAMICON®

Features

- Height : 5.4mm.
- Load life : 85°C 2000 hours.

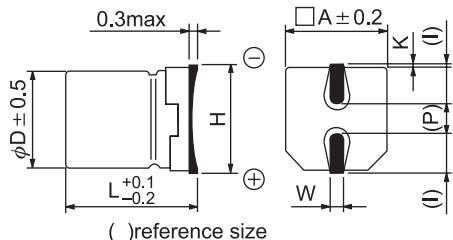


● SPECIFICATION

Item	Characteristic							
Operation Temperature Range	-40 ~ +85°C							
Rated Working Voltage	4 ~ 50VDC							
Capacitance Tolerance (120Hz 20°C)	±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.	4	6.3	10	16	25	35	50
	S.V.	5	8	13	20	32	44	63
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	4	6.3	10	16	25	35	50
	$\tan \delta$	0.35	0.26	0.20	0.16	0.14	0.12	0.12
Low Temperature Stability	Impedance ratio at 120Hz							
	Rated Voltage (V)		4	6.3	10	16	25	35 ~ 50
	-25°C / +20°C		7	4	3	2	2	2
	-40°C / +20°C		15	8	6	4	4	3
Load Life	After 2000 hours application of W.V. and +85°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage \leq rate working voltage)							
	Capacitance Change	$\leq \pm 20\%$ of initial value						
	Dissipation Factor	$\leq 200\%$ of initial specified value						
	Leakage current	\leq initial specified value						
Shelf Life		At +85°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment)						
Resistance to Soldering Heat		Capacitors 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 ripple current : mA(rms) 85°C 120Hz