

# CHIP TYPE

# CB

Series

Surface-Mounted Device

JAMICON®

## Features

- Load Life : 125°C 2000 hours.
- For high density mounting.



## SPECIFICATION

Item	Characteristic					
Operation Temperature Range	-40 ~ +125°C					
Rated Working Voltage	10 ~ 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.	10	16	25	35	50
	S.V.	13	20	32	44	63
Dissipation Factor (tan δ) (120Hz 20°C)	W.V.	10	16	25	35	50
	tan δ	0.32	0.24	0.21	0.18	0.18
Low Temperature Stability	Impedance ratio at 120Hz					
	Rated Voltage (V)	10	16	25	35	50
	-25°C / +20°C	4	3	2	2	2
	-40°C / +20°C	12	8	6	4	4
Load Life	After 2000 hours application of W.V. and +125°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rate working voltage)					
	Capacitance Change	≤ ±30% of initial value				
	Dissipation Factor	≤ 300% of initial specified value				
	Leakage current	≤ initial specified value				
Shelf Life	At +125°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	≤ ±10% of initial value				
	Dissipation Factor	≤ initial specified value				
	Leakage current	≤ initial specified value				

## DIMENSIONS (mm)

D	L	A	H	I	W	P	K
8.0	10.2	8.3	10.0MAX	3.4	0.90±0.2	3.1	0.70±0.20
10.0	10.2	8.3	12.0MAX	3.5	0.90±0.2	4.6	0.70±0.20



