

# CHIP TYPE

**CP**  
Series

Aluminum Electrolytic Capacitor  
Surface Mounted Device

JAMICON®

## Features

- Height:5.4mm.
- Load life:105°C, 1000hours.
- CP series is Bi-Polar type

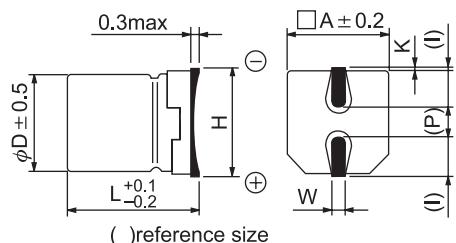


## SPECIFICATION

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)	$I \leq 0.05CV$ or $10 (\mu A)$					$I$ : Leakage Current ( $\mu A$ )	
	*Whichever is greater after 2 minutes					$C$ : Rated Capacitance ( $\mu F$ )	
Surge Voltage (20°C)	W.V.		6.3	10	16	25	35
	S.V.		8	13	20	32	44
Dissipation Factor ( $\tan \delta$ ) (120Hz 20°C)	W.V.		6.3	10	16	25	35
	$\tan \delta$		0.26	0.22	0.20	0.20	0.18
Low Temperature Stability	Impedance ratio at 120Hz						
	Rated Voltage (V)		6.3	10	16	25	35
	-25°C / +20°C		4	3	2	2	2
	-40°C / +20°C		8	6	4	4	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) (The polarity need to exchange every 250 hours)						
	Capacitance Change	$\leq \pm 25\%$ of initial value					
	Dissipation Factor	$\leq 200\%$ of initial specified value					
	Leakage current	$\leq$ initial specified value					
Shelf Life		At +105°C, no voltage application after 500 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	$0.65 \pm 0.1$	1.0	$0.35^{+0.15}_{-0.20}$
5.0	5.4	5.3	6.5MAX	2.2	$0.65 \pm 0.1$	1.5	$0.35^{+0.15}_{-0.20}$
6.3	5.4	6.6	7.8MAX	2.6	$0.65 \pm 0.1$	2.1	$0.35^{+0.15}_{-0.20}$



#### CASE SIZE & MAX RIPPLE CURRENT