CHIP TYPE

CP Series

Aluminum Electrolytic Capacitor
Surface Mounted Device

JAMICON®

Features

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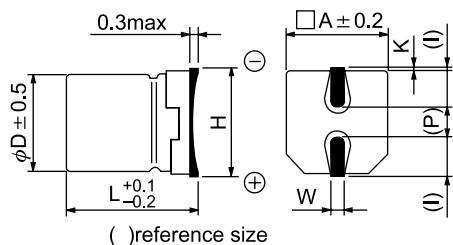- CP series is Bi-Polar type

● SPECIFICATION

Item	Characteristic						
Operation Temperature Range	-55 ~ +105°C						
Rated Working Voltage	6.3 ~ 50VDC						
Capacitance Tolerance (120Hz 20°C)	±20%(M)						
Leakage Current (20°C)	I ≦0.05CV or 10 (μA) *Whichever is greater after 2 minutes			I : Leakage Current (μA) 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	0.26	0.22	0.20	0.20	0.20	0.18
Low Temperature Stability	Impedance ratio at 120Hz						
	Rated Voltage (V)	6.3	10	16	25	35	50
	-25°C / +20°C	4	3	2	2	2	2
	-40°C / +20°C	8	6	4	4	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) (The polarity need to exchange every 250 hours)						
	Capacitance Change	≦±25% of initial value					
	Dissipation Factor	≦200% of initial specified value					
	Leakage current	≦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	≦±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

0.3max

□A ± 0.2

ϕD ± 0.5

H

L $^{+0.1}_{-0.2}$

W

( )reference size

● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : mA(rms) 105°C 120Hz

µF	Code (Item)	6.3 (0J) DxL	R.C.	10 (1A) DxL	R.C.	16 (1C) DxL	R.C.	25 (1E) DxL	R.C.	35 (1V) DxL	R.C.	50 (1H) DxL	R.C.
0.1	0R1											4x5.4	2
0.22	R22											4x5.4	3
0.33	R33											4x5.4	4
0.47	R47											4x5.4	4
1.0	010											4x5.4	6
2.2	2R2									4x5.4	9	5x5.4	10
3.3	3R3							5x5.4	12	5x5.4	13	5x5.4	13
4.7	4R7					4x5.4	12	5x5.4	14	5x5.4	15	6.3x5.4	17
10	100			4x5.4	17	5x5.4	21	6.3x5.4	24	6.3x5.4	25		
22	220	5x5.4	26	6.3x5.4	32	6.3x5.4	35						
33	330	6.3x5.4	36	6.3x5.4	40	6.3x5.4	43						
47	470	6.3x5.4	43										