

# CHIP TYPE

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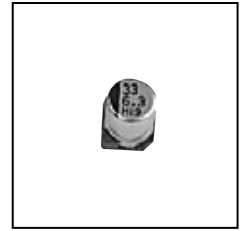
Series

Surface Mounted Device

JAMICON®

## Features

- Load life : 105°C 2000 hours.



## SPECIFICATION

Item	Characteristic								
Operation Temperature Range	-55 ~ +105°C								
Rated Working Voltage	4 ~ 50VDC								
Capacitance Tolerance (120Hz 20°C)	±20%(M)								
Leakage Current (20°C)	I ≤ 0.01CV or 3 (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.	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 δ	φ4 ~ φ6.3	0.50	0.30	0.22	0.16	0.14	0.12	0.12
		φ8 ~ φ10	0.50	0.35	0.26	0.20	0.16	0.14	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 +105°C ripple current value, the capacitor shall meet the following limits. (DC + ripple peak voltage ≤ rate working voltage)								
	Capacitance Change	≤ ±25% of initial value (4WV ±35%)							
	Dissipation Factor	≤ 200% of initial specified value							
	Leakage current	≤ 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	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	5.8	4.3	5.5MAX	1.8	0.65±0.1	1.0	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
5.0	5.8	5.3	6.5MAX	2.2	0.65±0.1	1.5	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
6.3	5.8	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
8.0	6.2	8.3	9.5MAX	3.4	0.65±0.1	2.2	0.35 <sup>+0.15</sup> <sub>-0.20</sub>
8.0	10.2	8.3	10.0MAX	3.4	0.90±0.2	3.1	0.70 <sup>±0.20</sup>
10.0	10.2	10.3	12.0MAX	3.5	0.90±0.2	4.6	0.70 <sup>±0.20</sup>

