

CHIP TYPE

CS

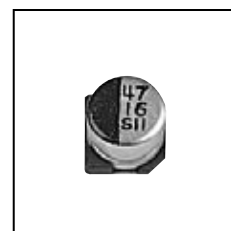
Series

Surface Mounted Device

JAMICON®

Features

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

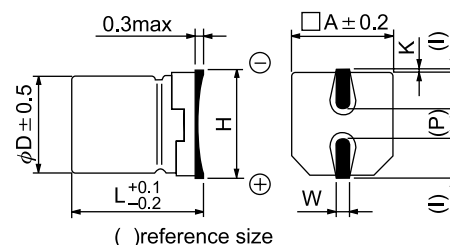


SPECIFICATION

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 ≤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	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 ≤ rate working voltage)							
	Capacitance Change	≤ ±20% of initial value						
	Dissipation Factor	≤200% of initial specified value						
	Leakage current	≤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 folowing 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}



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
Max ripple current : mA(rms) 85°C 120Hz

[illegible]