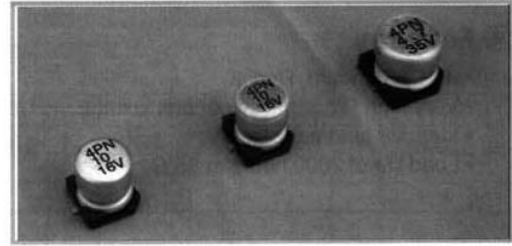


CK SERIES

Chip type, For surface mounting

- SMD Low Leakage Type. Reflow Soldering is available.
- Life 2000 hours at 85°C
- Available For High Density Mounting



Characteristics

Voltage Range	6.3 to 50 VDC							
Capacitance Range	0.1 to 330uF							
Temperature Range	-40 to +85°C							
Capacitance Tolerance	+20% -20% (at 20°C, 120Hz)							
Leakage Current	I ≤ 0.002CV or 0.4uA, whichever is greater 2 minutes after Rated Voltage applied							
Dissipation Factor (tan δ) Max	Rated Voltage (V)	6.3	10	16	25	35	50	
	D.F.(tanδ)	0.26	0.22	0.18	0.16	0.14	0.12	
(at 20°C, 120Hz)								
Stability at Low Temperature	Impedance ration at 120Hz							
	Rated Voltage (V)	4	6.3	10	16	25	35	50
	Z-25°C/Z 20°C	7	4	3	2	2	2	2
Z-40°C/Z 20°C	15	8	6	4	4	3	3	
Load Life	After the rated voltage has been applied for 2000 hours at 85°C	Capacitance change		Within ±25% of initial value				
		D.F. (tanδ)		200% or less of initial specified value				
		Leakage current		Less than initial specified value				
Shelf Life	After storage for 500 hours at 85°C, with no voltage applied and being stabilized at +20°C, Capacitor shall meet the limit specified in load life.							

Case size & Maximum Ripple Current

mA rms 85°C 120Hz

Cap. uF	6.3		10		16		25		35		50	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											A	1.0
0.22											A	2.0
0.33											A	2.8
0.47											A	4.0
1											A	8.4
2.2									A	8.4	A	13
3.3							A	10	A	15	A	17
4.7					A	10	A	16	A	18	C	20
10	A	15	A	23	A	23	C	27	C	29	C	33
22	A	28	A	33	C	37	C	42	C	46	D	52
33	C	37	C	41	C	49	C	52	D	62	D	71
47	C	45	C	52	C	58	D	70	D	80		
100	C	70	D	80	D	92	D	110				
220	D	110	D	135								
330	D	170										

Diagram of dimensions

SIZE	Dφ	L	A	C	B	W	P
A	4	5.5	4.3	4.3	5.1	0.5~0.8	1.0
B	5	5.5	5.3	5.3	5.9	0.5~0.8	1.4
C	6.3	5.5	6.6	6.6	7.2	0.5~0.8	2.0
D	8	6.5	8.3	8.3	9.0	0.5~0.8	2.2

