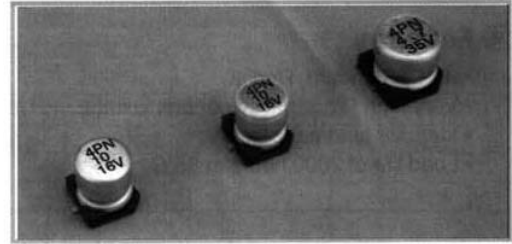


CN SERIES

Chip type, For surface mounting

- SMD TYPE Reflow Soldering is available
- Life 2000 hours at 85°C Non-Polarized
- Available For High Density Mounting



Characteristics

Voltage Range	6.3 to 50VDC						
Capacitance Range	0.1 to 47uF						
Temperature Range	-40 to +85°C						
Capacitance Tolerance	+20% -20% (at 20°C, 120Hz)						
Leakage Current	I ≤ 0.01CV or 3uA, whichever is greater 2 minutes after Rated Voltage applied						
Dissipation Factor (tan δ)Max	Rated Voltage (V)	6.3	10	16	25	35	50
	(tan δ)	0.3	0.24	0.2	0.16	0.15	0.15
(at 20°C, 120Hz)							
Stability at Low Temperature	Impedance ration at 120Hz						
	Rated Voltage (V)	6.3	10	16	25	35	50
	Z-25°C/Z 20°C	4	3	2	2	2	2
Z-40°C/Z 20°C	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	150% 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	B	13
3.3							B	12	B	16	B	17
4.7					A	12	B	16	B	18	C	20
10			A	17	B	23	C	27	C	29		
22	B	28	C	33	C	37						
33	C	37	C	41	C	49						
47	C	45										

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

