

JN CDPC

- Low dissipation factor, high stability, high ripple current  
Use for air-conditioner, improving power factor improving  
Adapted to the ROHS directive.



Specifications

Item	Performance Characteristics
Operating temperature range	-25°C ~ +85°C
Rated voltage range	250V, 400 V
Capacitance tolerance	± 10% (120Hz, +20°C)
Leakage current	$I \leq 3\sqrt{CV}$ (µA)
Dissipation factor (tg δ)	0.05 (+20°C, 120Hz)
Load life	After applying rated voltage for 5000 hours at +85 °C and then resumed 16 hours: Capacitance change : ±20% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤2 Initial specified value
Shelf life	After storage for 1000 hours at +85°C, U <sub>R</sub> to be applied for 30 minutes and then resumed 16 hours Capacitance change : ±20% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤2 Initial specified value

Case table

Unit: mm

D±1	35	40
F±1	14	14
L±2	80, 90, 100	100

Frequency coefficient

Frequency(Hz)	50,60	120	300	1K	≥ 10K
Factor	0.7	1.0	1.32	1.46	1.61

Temperature coefficient

Temperature(°C)	+45	+60	+70	+85
Factor	1.73	1.5	1.30	1.0

DIMENSIONS

Rated Voltage (V.D.C)	Surge Voltage (V.D.C)	Rated capacitance (µF)	Size ΦD×L(mm)	Ripple Current 85°C 120Hz(Arms)
250	300	200	35×80	3.78
		220	35×80	3.96
		330	35×80	4.83
		390	35×100	5.26
		470	35×100	5.58
400	450	70	35×80	2.65
		90	35×80	2.98
		100	40×100	3.15
		110	40×100	3.30
		150	40×100	3.85
		220	40×100	4.65

Rated ripple current (A,+85°C,120Hz)