

Metallized film capacitor

CFD-N SERIES

Please request specifications for consideration.
If you send the email to "Contact us", we will send it.

Standard for AC

Metallized PET film capacitor

★ Performance

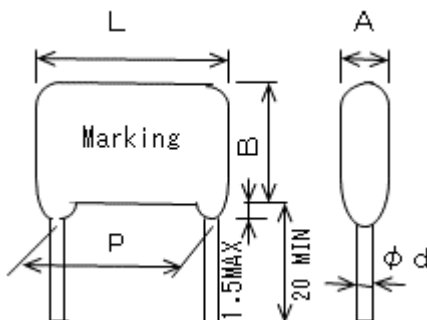
Item	Performance
Temperature range	-40~+85°C (+105°C) (Derate the voltage at +85~+105°C)
Rated Voltage (U _R)	125VAC, 250VAC
Capacitance range	0.01 ~4.7 μF
Capacitance tolerance	±10%(K)
Insulation resistance (IR)	Between terminals C ≤ 0.47μF : ≥2000 MΩ C > 0.47μF : ≥1000 Ω · F (500 VDC for 1min) Between terminals and enclosure ≥1500 MΩ (500 VDC for 1min)
tanδ	≤0.01 (1kHz)



★ Standard dimensions table (CFD-N 125VAC)

Parts cord	Rated voltage (V _{DC})	Capacitance (μF)	Cap. tolerance (%)	Dimensions (mm)					Permissible Current (Peak) I _{op} (A)	Taping PCS/Package
				A max	B max	L max	P ±0.75	φd		
CFD-N22B333K	125	0.033	±10	4.0	7.5	10.5	7.5	0.5	1.7	1750
CFD-N22B473K		0.047		5.0	8.0	10.5	7.5	0.5	2.4	1250
CFD-N22B683K		0.068		5.5	9.5	10.5	7.5	0.5	3.5	1000
CFD-N22B104K		0.1		6.0	11.0	10.5	7.5	0.5	5.2	1000
CFD-N22B154K		0.15		5.5	11.0	13.0	10.0	0.6	5.2	1250
CFD-N22B224K		0.22		6.5	12.5	13.0	10.0	0.6	7.6	1000
CFD-N22B334K		0.33		6.0	12.5	18.5	15.0	0.6	5.9	600
CFD-N22B474K		0.47		7.0	14.0	18.5	15.0	0.6	8.4	500
CFD-N22B684K		0.68		7.5	15.5	18.5	15.0	0.6	12.1	500
CFD-N22B105K		1.0		7.5	15.0	26.0	22.5	0.8	8.6	No taping
CFD-N22B155K		1.5		8.5	17.5	26.0	22.5	0.8	12.9	
CFD-N22B225K		2.2		9.5	19.0	31.0	27.5	0.8	15.0	
CFD-N22B335K		3.3		11.5	21.0	31.0	27.5	0.8	22.4	
CFD-N22B475K		4.7		13.0	24.5	31.0	27.5	0.8	32.0	

■ Component outline

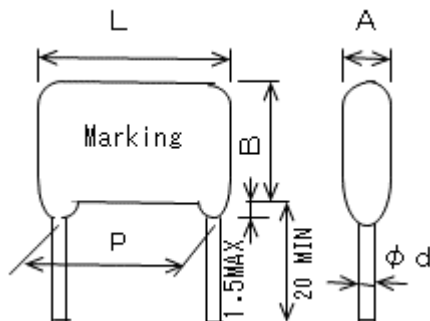


Metallized film capacitor

Standard dimensions table (CFD-N 250VAC)

Parts cord	Rated voltage (V _{DC})	Capacitance (μF)	Cap. tolerance (%)	Dimensions (mm)					Permissible Current (Peak) I _{op} (A)	Taping PCS/Package
				A max	B max	L max	P ±0.75	φd		
CFD-N22E103K	250	0.01	±10	4.5	9.5	13.0	10.0	0.6	0.9	1500
CFD-N22E153K		0.015		5.0	10.0	13.0	10.0	0.6	1.3	1500
CFD-N22E223K		0.022		5.0	10.0	13.0	10.0	0.6	1.7	1500
CFD-N22E333K		0.033		5.5	11.5	13.0	10.0	0.6	2.5	1250
CFD-N22E473K		0.047		6.0	13.0	13.0	10.0	0.6	3.5	1250
CFD-N22E683K		0.068		6.0	11.0	18.5	15.0	0.6	2.4	600
CFD-N22E104K		0.1		6.5	13.0	18.5	15.0	0.6	3.5	500
CFD-N22E154K		0.15		7.0	15.0	18.5	15.0	0.6	5.3	500
CFD-N22E224K		0.22		8.5	16.5	18.5	15.0	0.6	7.8	400
CFD-N22E334K		0.33		8.0	16.5	26.0	22.5	0.8	5.4	No taping
CFD-N22E474K		0.47		9.0	18.0	26.0	22.5	0.8	7.8	
CFD-N22E684K		0.68		10.0	21.5	26.0	22.5	0.8	11.2	
CFD-N22E105K		1.0		11.0	22.5	31.0	27.5	0.8	12.9	
CFD-N22E155K		1.5		13.5	25.5	31.0	27.5	0.8	19.3	
CFD-N22E225K		2.2		16.5	29.0	31.0	27.5	0.8	28.4	

■ Component outline



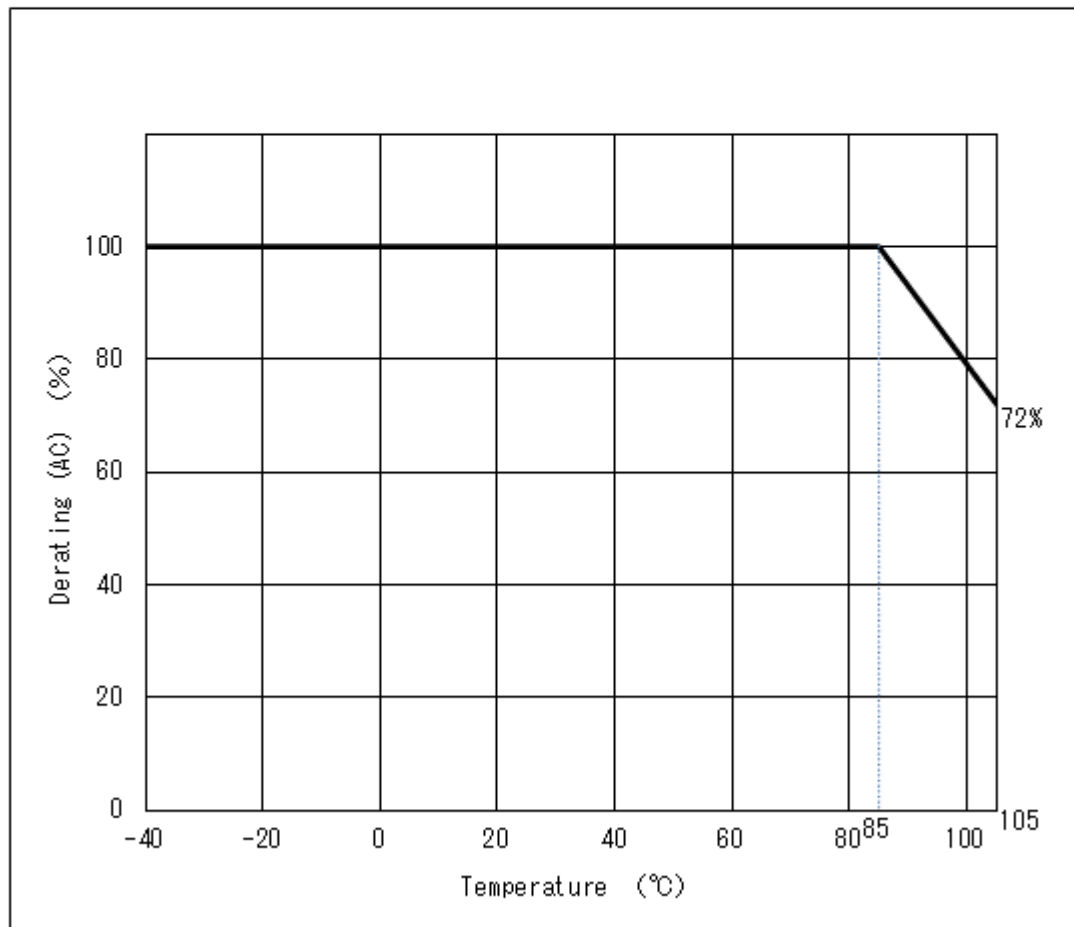
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THE RELATION BETWEEN MAX OPERATING VOLTAGE AND OPERATING TEMPERATURE

CFD – N

$$\text{Derating (\%)} = \frac{\text{Operating voltage}}{\text{Rated voltage}} \times 100$$

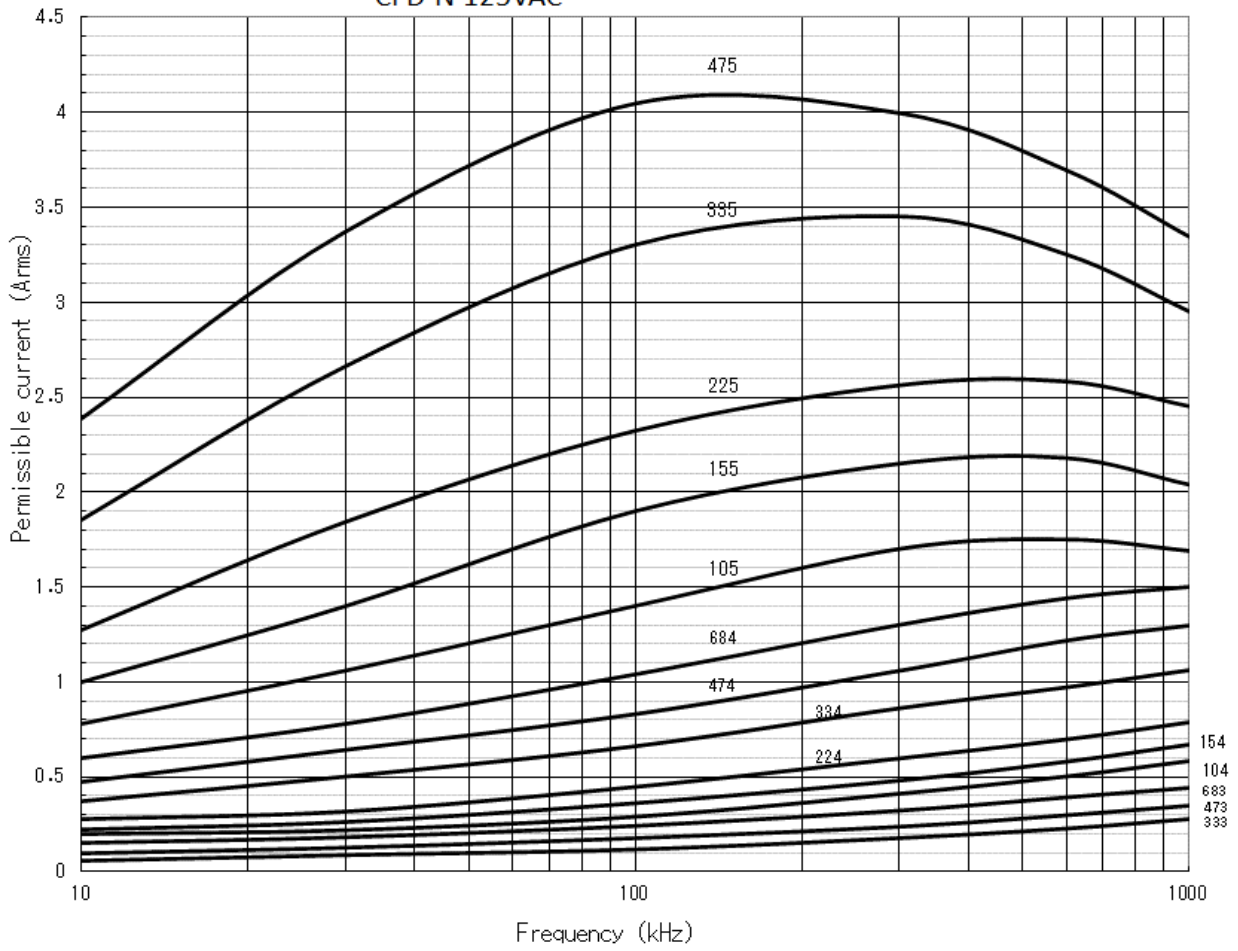
Temperature:
Capacitor surface temperature



Metallized film capacitor

Permissible current(Effective value) VS Frequency

CFD-N 125VAC



Metallized film capacitor

Permissible current (Effective value) VS Frequency CFD-N 250VAC

