

FPCT 700V 1B series

NEW

Film capacitor for Power electronics

Item	Performance
Temperature range (Surface of Capacitor)	-40 ~ +105°C ※ When used over +85°C Voltage derating required
Rated voltage	700V DC (+85°C)
Capacitance range	15 ~ 30 μ F
Capacitance tolerance	$\pm 5\%$ (J)
Insulation resistance	$\geq 10000 \Omega \cdot F$ (500VDC for 1min)



▪ Voltage and Lifetime at each temperature

Temperature (Capacitor surface)	Voltage	Lifetime
+85°C	700VDC	100000 H
+105°C	600VDC	20000 H

It's ideal for DC-Link.

The current is significantly higher than before.

Nitsuko Electronics Corporation

Sales Department

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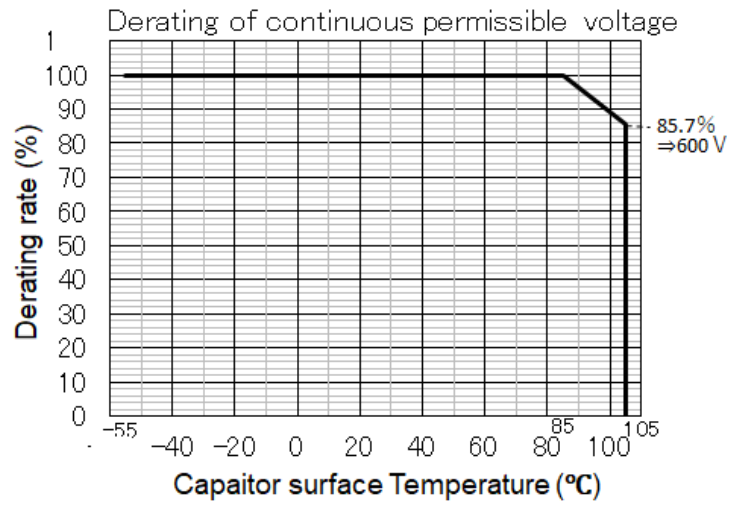
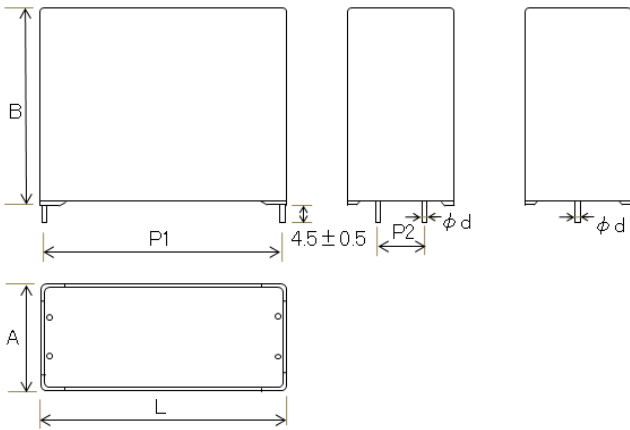
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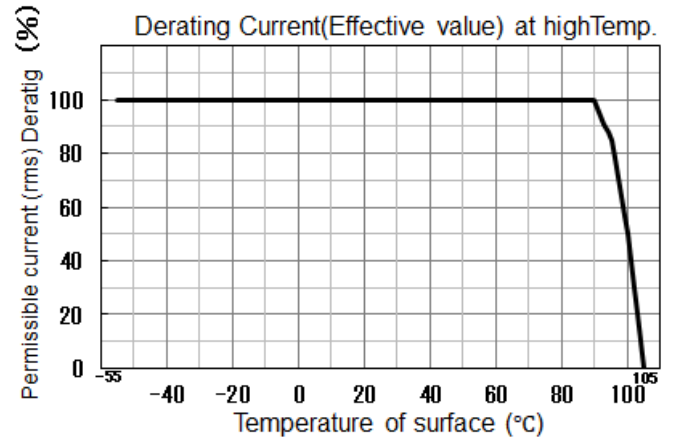
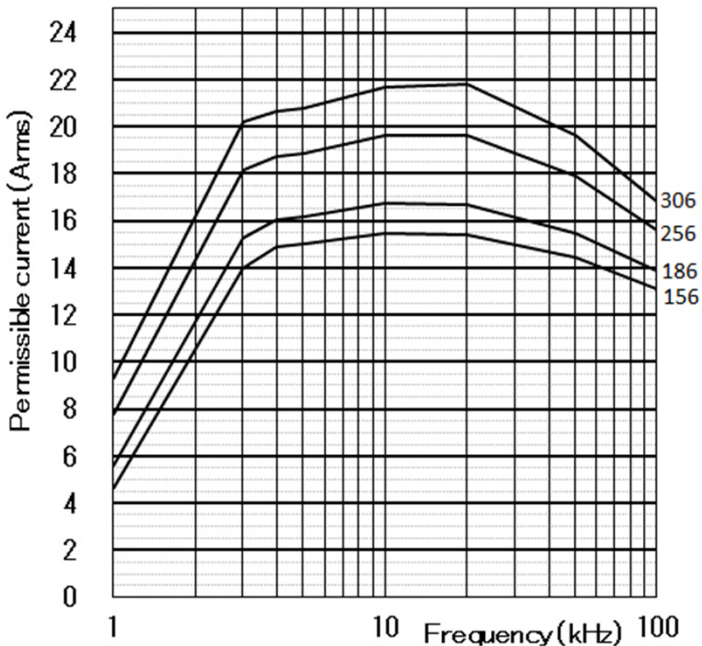
NEW

* Standard dimensions

Rated voltage (V _{DC})	Capacitance (μF)	Cap. tolerance (%)	A ±1.0	B ±1.0	L ±1.0	P1 ±0.5	P2 ±0.5	φ d	Permissible Current	
									Peak lop (A)	Effective (10kHz) I _{rms} (A)
700	15	±5	18.5	35.5	41.5	37.5	—	1.2	300	15.5
	18		21.5	38.5	41.5	37.5	10.2	1.2	360	16.7
	25		24.0	44.0	41.5	37.5	10.2	1.2	500	19.6
	30		30.0	45.0	41.5	37.5	10.2	1.2	600	22.2



Permissible current(Effective value) vs Frequency



Spec and appearance might be changed for modification.