

Metallized film capacitor

FPT2 SERIES

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

High Temperature (+125°C)
Small (630VDC)

Metallized PP film capacitor

★ Performance

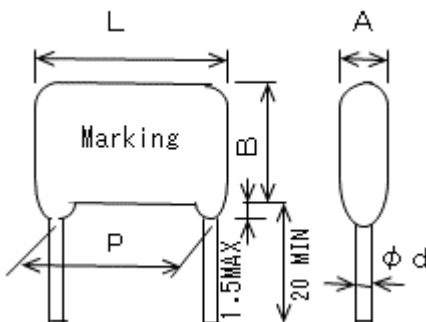
Item	Performance
Temperature range	-40~+105°C (+125°C) (+105°C~+125°C Voltage derating) (+120°C~+125°C Current derating)
Rated Voltage (U _R)	630V _{DC}
Capacitance range	0.068 ~2.2 μF
Capacitance tolerance	±10%(K)
Insulation resistance (IR)	C ≤ 0.33μF : ≥25000 MΩ C > 0.33μF : ≥7500 Ω · F (500 VDC for 1min)
tanδ	≤0.001 (1kHz)



★ Standard dimensions table (FPT2)

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		
FPT22J683K2	630	0.068	±10	4.8	9.9	12.5	10.0	0.6	3.9	600
FPT22J104K2		0.1		5.0	12.5	12.5	10.0	0.6	5.8	500
FPT22J154K2		0.15		6.6	12.8	12.5	10.0	0.6	8.6	500
FPT22J224K2		0.22		6.9	16.4	12.5	10.0	0.6	12.7	400
FPT22J334K2		0.33		6.2	15.2	17.8	15.0	0.8	9.9	500
FPT22J474K2		0.47		7.6	16.7	17.8	15.0	0.8	14.1	No taping
FPT22J684K2		0.68		9.3	18.7	17.8	15.0	0.8	20.3	
FPT22J105K2		1.0		8.7	18.0	25.5	22.5	0.8	17.9	
FPT22J155K2		1.5		10.8	20.0	25.5	22.5	0.8	26.8	
FPT22J225K2		2.2		13.0	23.0	25.5	22.5	0.8	39.3	

■ Component outline

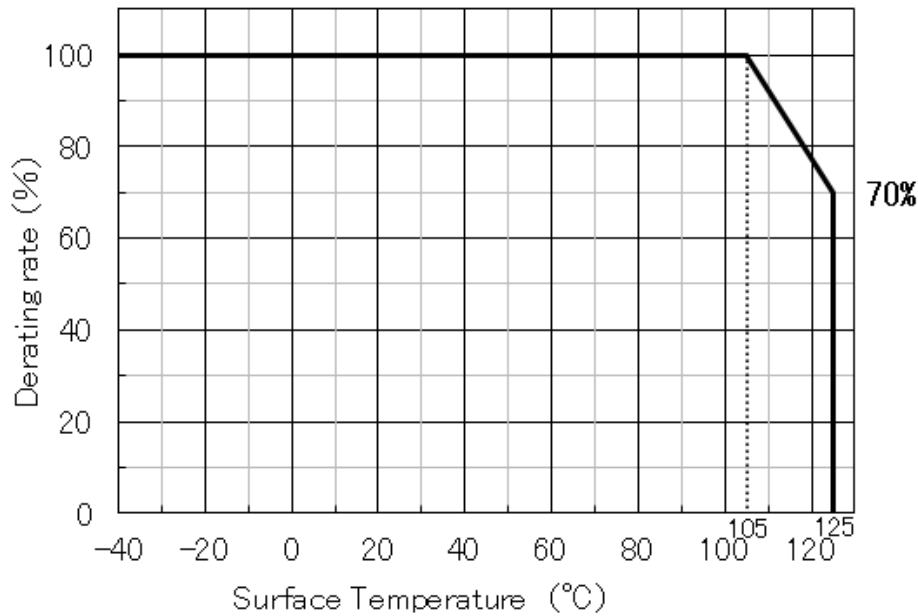


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Voltage derating

Temperature: Capacitors surface Temperature

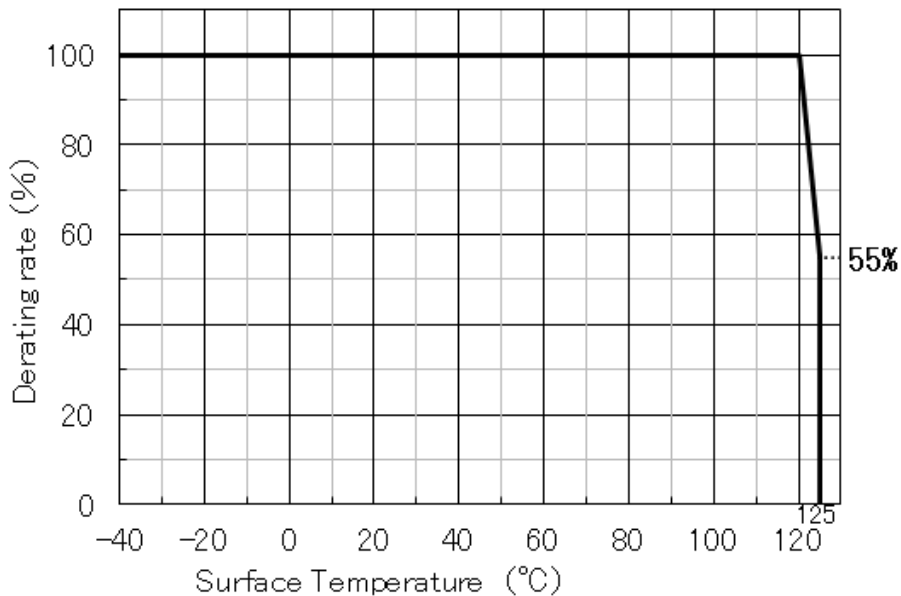
$$\text{Derating rate (\%)} = \frac{\text{Max operating voltage}}{\text{Rated voltage}} \times 100$$



Current derating (Effective current)

Temperature: Capacitors surface Temperature

$$\text{Derating rate (\%)} = \frac{\text{Max operating effective current}}{\text{Permissible effective current}} \times 100$$



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Permissible current (Effective value) vs Frequency FPT2 630VDC

