

Data Sheet

Film Capacitor

Type: CX-PCB

Technical data

Nominal capacitance	C_N	30 $\mu\text{F} \pm 10\%$
Nominal voltage dc	U_{NDC}	600 V
Energy	W_N	5,4 Ws
Nominal current	I_N	20 A
Max. Peak current	\hat{I}	645 A
Max. Pulse rise time	$\Delta U/\Delta t$	21,5 V/ μs
Series resistance	R_{ESR}	< 3 m Ω
Dissipation factor	$\tan\delta$	2 $\times 10^{-4}$
Self inductance	L_E	< 10 nH
Min. Operating temperature	ϑ_{min}	-25 °C
Max. Operating temperature @ hotspot	ϑ_{max}	+85 °C
Storage temperature	ϑ_{Lager}	-40...+85 °C
Climatic category DIN IEC 68/1		25/070/21

Test Data

Test voltage between terminations	U_{TT}	900 V dc / 10s
Life expectancy @ hot spot 60°C		100000 h

General technical data

Coating	metal can with resin sealing Flame retardant according to UL 94-V0
Dielectric	polypropylene
Terminations	tinned copper
Weight	ca. 62 g

