



FTCAP
FISCHER & TAUSCHE
CAPACITORS

Data Sheet

Film Capacitor

Type: W200 μ 900d145033

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Technical data

Nominal capacitance	C_N	200 μ F \pm 10%
Nominal voltage dc	U_{NDC}	900 V
Surge voltage	U_S	1350 V
Energy	W_N	81 Ws
Max. AC current @ $T_{case}=30^\circ\text{C}/10$ kHz	I_{RMS}	65 A
Max. Peak periodic current	$\hat{I}_{periodic}$	6,6 kA
Max. Pulse rise time	$\Delta U/\Delta t$	33 V/ μ s
Dissipation factor @ 1 kHz	$\tan\delta$	$<7 \times 10^{-4}$
Series resistance @ 10 kHz	R_{ESR}	$<0,6$ m Ω

U_N -Derating

@ ϑ_{case}	U_{Nmax}
$\leq 70^\circ\text{C}$	$U_N \times 1$
$\leq 75^\circ\text{C}$	$U_N \times 0,9$
$\leq 80^\circ\text{C}$	$U_N \times 0,8$
$\leq 85^\circ\text{C}$	$U_N \times 0,7$

Min. Operating temperature	ϑ_{min}	-40 $^\circ\text{C}$
Max. Operating temperature ($I_R=0$)	ϑ_{max}	+85 $^\circ\text{C}$
Storage temperature	ϑ_{Lager}	-40...+85 $^\circ\text{C}$
Thermal resistance (case hotspot)	R_{th}	2 K/W
Climatic category DIN IEC 68/1		40/085/21
Test voltage between terminals	U_{TT}	1350 V dc / 2s
Life expectancy @ hot spot 65 $^\circ\text{C}$		100 000 h
Failure rate @ 0,5 x U_N / 40 $^\circ\text{C}$		300 fit

General data

Coating	plastic case with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	tinned copper pins 1x5 mm
Soldering conditions	max. 260 $^\circ\text{C}$ / 10 sec
Weight	approx. 740g

RoHS compliant