

**Technical data**

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Nominal capacitance	$C_N$	400 $\mu\text{F} \pm 10\%$
Nominal voltage dc	$U_{NDC}$	300 V
Surge voltage	$U_S$	450 V
Energy	$W_N$	18,0 Ws
Max. Peak periodic current	$\hat{I}_{\text{Periodic}}$	3680 A
Max. Pulse rise time	$\Delta U/\Delta t$	9,2 V/ $\mu\text{s}$
Series resistance @ 10 kHz	$R_{\text{ESR}}$	1,1 m $\Omega$
Dissipation factor @ 1 kHz	$\tan\delta$	28,6 $\times 10^{-4}$
Self inductance	$L_E$	10,5 nH

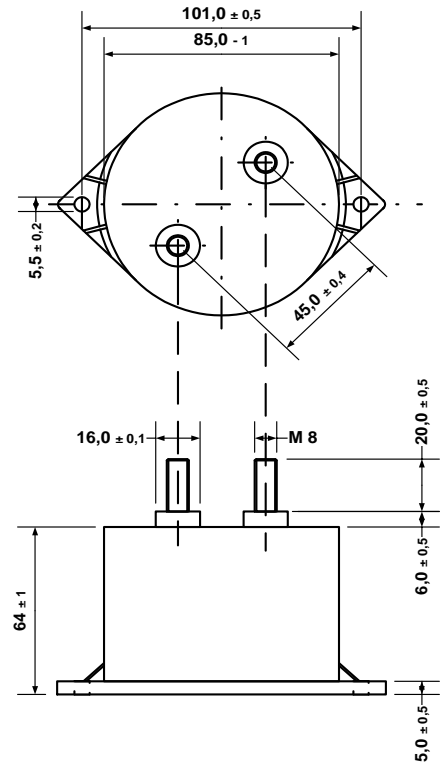
Max. Power loss  
@  $\vartheta_{\text{hotspot}} 85^\circ\text{C}$  / nat. convection  
@ 10kHz

$P_{\text{max}}$	@ $\vartheta_{\text{case}}$	$I_{\text{max}}$
11,5 W	40 $^\circ\text{C}$	102,4 A
9,0 W	50 $^\circ\text{C}$	90,3 A
6,4 W	60 $^\circ\text{C}$	76,3 A
3,8 W	70 $^\circ\text{C}$	59,1 A

$U_N$ -Derating

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

Min. Operating temperature	$\vartheta_{\text{min}}$	-40 $^\circ\text{C}$
Max. Operating temperature ( $I_R = 0$ )	$\vartheta_{\text{max}}$	+85 $^\circ\text{C}$
Storage temperature	$\vartheta_{\text{Lager}}$	-40...+85 $^\circ\text{C}$
Thermal resistance (case hotspot)	$R_{\text{th}}$	3,9 $^\circ\text{C/W}$
Climatic category DIN IEC 68/1		40/085/21



**Test Data**

Test voltage between terminals  $U_{TT}$  450 V dc / 10s

Life expectancy @ hot spot 60 $^\circ\text{C}$  100 000 h

**General technical data**

Coating	plastic case with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	M8x20+ FI 16x8_3 M8x20+ FI 16x8_4
Weight	~ 520g