

**Technical data**

Nominal capacitance	$C_N$	140 $\mu\text{F} \pm 10\%$
Nominal voltage DC	$U_{NDC}$	800 V
Nominal voltage AC	$U_{NAC}$	115 V
Surge voltage	$U_S$	1200 V
Energy	$W_N$	44,8 Ws
Max. current /1 kHz @ Busbar Temp < 50 °C	$I_{Max}$	100 A
Max. periodic Peak current	$\hat{I}_{Periodic}$	2471 A
Max. Pulse rise time	$\Delta U/\Delta t$	17.7 V/ $\mu\text{s}$
Series resistance @ 10 kHz	$R_{ESR}$	1,6 m $\Omega$
Dissipation factor @1 kHz	$\tan\delta$	15 $\times 10^{-4}$
Self inductance	$L_E$	< 10.5 nH

Max. power loss

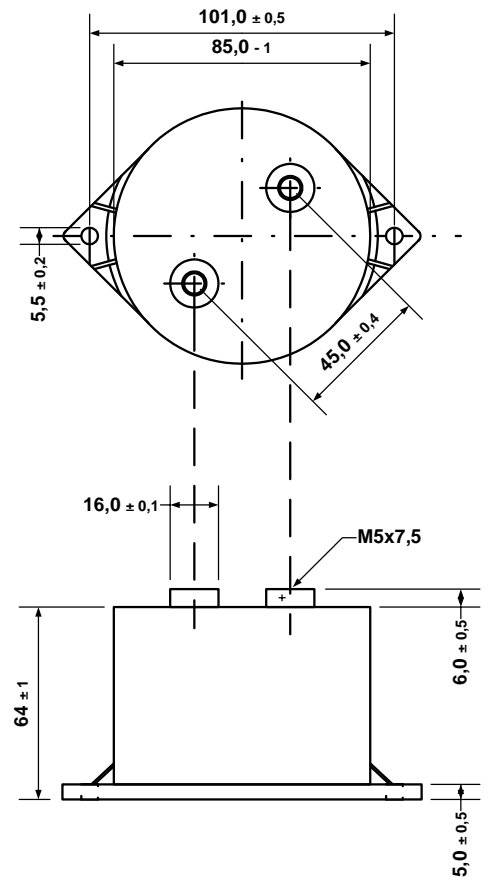
@  $\vartheta_{hotspot}$  85°C /  
@ 10kHz

$P_{max}$	@ $\vartheta_{case}$	$I_{max}$
45 W	40 °C	96,8 A
35 W	50 °C	85,4 A
25 W	60 °C	72,2 A
15 W	70 °C	55,9 A

$U_N$ -Derating

$U_{Nmax}$	@ $\vartheta_{case}$
$U_N \times 1$	$\leq 70$ °C
$U_N \times 0,9$	$\leq 75$ °C
$U_N \times 0,8$	$\leq 80$ °C
$U_N \times 0,7$	$\leq 85$ °C

Min. Operating temperature	$\vartheta_{min}$	-40 °C
Max. Operating temperature ( $I_R = 0$ )	$\vartheta_{max}$	+105 °C
Storage temperature	$\vartheta_{Lager}$	-40...+105 °C
Thermal resistance (case hotspot)	$R_{th}$	3 °C/W
Climatic category DIN IEC 68/1		40/105/21



**Test Data**

Test voltage between terminations  $U_{TT}$  1200 V dc / 10s

**Life expectancy**

@ hot spot 85°C and 280VDC >300k hours

**General technical data**

Coating	PA 66 plastic case with polyurethane resin sealing Flame retardant UL 94V-0 compliant
Dielectric	Polypropylene
Terminals	nickel-plated brass, M5 x 7.5mm
Weight	~390g
Max torque on flanges	3 N.m
Max torque connection inserts	2.5 N.m

