

**Technical data**

Nominal capacitance	$C_N$	0,22 $\mu$ F $\pm$ 5%
Nominal voltage dc	$U_{NDC}$	3000 V
Surge voltage	$U_S$	4500 V
Energy	$W_N$	1 Ws
Max. Peak periodic current	$\hat{I}_{Periodic}$	192 A
Max. Pulse rise time	$\Delta U/\Delta t$	872 V/ $\mu$ s
Series resistance @ 100 kHz	$R_{ESR}$	10,5 m $\Omega$
Dissipation factor @ 1 kHz	$\tan\delta$	2,08 $\times 10^{-4}$

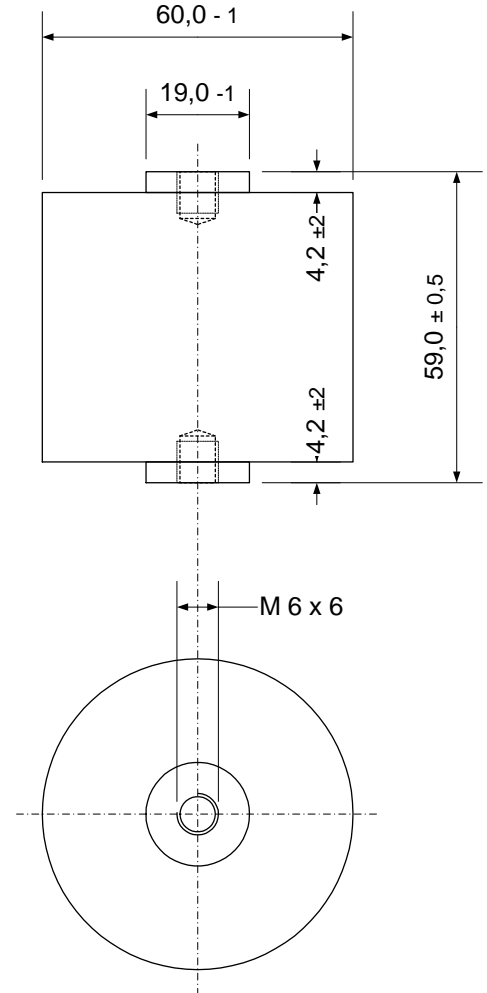
Max. Power loss  
@  $\vartheta_{hotspot}$  85°C / nat. convection  
@ 10kHz

$P_{max}$	@ $\vartheta_{case}$	$I_{max}$
4,1 W	40 °C	19,7 A
3,2 W	50 °C	17,4 A
2,3 W	60 °C	14,7 A
1,4 W	70 °C	11,4 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 ( $I_R = 0$ )	$\vartheta_{max}$	+70 °C
Storage temperature	$\vartheta_{Lager}$	-40...+70 °C
Thermal resistance (case hotspot)	$R_{th}$	11 °C/W
Climatic category DIN IEC 68/1		40/070/21



**Test Data**

Test voltage between terminals  $U_{TT}$  4500 V dc / 10s

Life expectancy @ hot spot 60°C 100 000 h

Failure rate 300 fit  
applied parameters 0,5 x  $U_N$  ; 40°C

**General technical data**

Coating	plastic case with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	brass nickel plated
Weight	~ 250g