

**Technical data**

Nominal capacitance	$C_N$	450 $\mu\text{F} \pm 5\%$
Nominal voltage dc	$U_{\text{NDC}}$	900 V
Surge voltage	$U_S$	1350 V
Energy	$W_N$	182 Ws
Max. AC current @ $T_{\text{case}}=30^\circ\text{C}$	$I_{\text{RMS}}$	55 A
Max. Peak periodic current	$\hat{I}_{\text{Periodic}}$	7200 A
Max. Pulse rise time	$\Delta U/\Delta t$	16 V/ $\mu\text{s}$
Series resistance @ 10 kHz	$R_{\text{ESR}}$	<4 m $\Omega$
Dissipation factor @ 1 kHz	$\tan\delta$	20 $\times 10^{-3}$
Self inductance	$L_E$	<60 nH

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

$I_{\text{max}}$	@ $\vartheta_{\text{case}}$	$P_{\text{max}}$
46 A	40 °C	14 W
38 A	50 °C	10 W
32 A	60 °C	7 W
27 A	70 °C	5 W

$U_N$ -Derating

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

Min. Operating temperature	$\vartheta_{\text{min}}$	-40 °C
Max. Operating temperature ( $I_R = 0$ )	$\vartheta_{\text{max}}$	+70 °C
Storage temperature	$\vartheta_{\text{Lager}}$	-40...+85 °C
Thermal resistance (case hotspot)	$R_{\text{th}}$	2 K/W
Climatic category DIN IEC 68/1		40/070/21

**Test Data**

Test voltage between terminals	$U_{\text{TT}}$	1350 V dc / 2s
Test voltage between terminal/case	$U_{\text{TC}}$	3600 V ac / 10s

**Life expectancy @ hot spot 60°C** 100000 h

**General technical data**

Coating	aluminium case with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Base Stud	M12x16, max. torque 7 Nm
Terminals	brass nickel plated M8, max. torque 6 Nm
Weight	approx. 1 kg

