

### Technical data

Nominal capacitance	$C_N$	330 $\mu\text{F} \pm 10\%$
Nominal voltage dc	$U_{\text{NDC}}$	900 V
Surge voltage	$U_S$	1350 V
Energy	$W_N$	134 Ws
Max. AC current @ $T_{\text{case}}=30^\circ\text{C}/1\text{ kHz}$	$I_{\text{RMS}}$	52 A
Max. Peak periodic current	$\hat{I}_{\text{Periodic}}$	2727 A
Max. Pulse rise time	$\Delta U/\Delta t$	8,3 V/ $\mu\text{s}$
Dissipation factor @ 1 kHz	$\tan\delta$	$<120 \times 10^{-4}$
Series resistance @ 1 kHz	$R_{\text{ESR}}$	$<5\text{ m}\Omega$

Max. Power loss @  $\vartheta_{\text{hotspot}} 85^\circ\text{C} / 1\text{kHz}$

@ $\vartheta_{\text{case}}$	I	P <sub>max</sub>
40°C	48 A	8,7 W
50°C	42 A	6,8 W
60°C	36 A	4,8 W
70°C	28 A	2,9 W

$U_N$ -Derating

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

Min. Operating temperature	$\vartheta_{\text{min}}$	-40 °C
Max. Operating temperature ( $I_R=0$ )	$\vartheta_{\text{max}}$	+85 °C
Storage temperature	$\vartheta_{\text{Lager}}$	-40...+85 °C
Thermal resistance (case hotspot)	$R_{\text{th}}$	2,5 K/W
Climatic category DIN IEC 68/1		40/085/21

Test voltage between terminals	$U_{\text{TT}}$	1350 V dc / 2s
Test voltage between terminal/case	$U_{\text{TC}}$	2800 V ac / 10s

Life expectancy @ hot spot 60°C 100 000 h

### General data

Coating	Aluminium can with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	M6 brass nickel plated, max. torque 6 Nm
Weight	approx. 0,8 kg

RoHS compliant

### Dimensions

Diameter	$\varnothing$	85,0	$\pm 1\text{ mm}$
Length	L	106,0	$\pm 1\text{ mm}$
Pitch	RM	32,0	$\pm 0,5\text{ mm}$

