



#### Technical data

Nominal capacitance	$C_N$	325 μF -5% /+15%
Nominal voltage dc	$U_{NDC}$	650 V
Surge voltage	$U_S$	1050 V
Energy	$W_N$	79,6 Ws
Max. AC current @ $T_{case}=30^{\circ}C/10$ kHz	$I_{RMS}$	47 A
Max. Peak periodic current	$\hat{I}_{Periodic}$	2180 A
Max. Pulse rise time	$\Delta U/\Delta t$	6,7 V/μs
Dissipation factor @ 1 kHz	$\tan\delta$	60 x10 <sup>-4</sup>
Series resistance @ 10 kHz	$R_{ESR}$	<3 mΩ

#### Dimensions

Diameter	Ø	67	+1/-4 mm
Length	L	100	±1 mm

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

@ $\vartheta_{case}$	I	P <sub>max</sub>
40 °C	43 A	4,4 W
60 °C	35 A	03,1W
80 °C	26 A	1,7 W
100 °C	11A	0,3 W

$U_N$ -Derating

@ $\vartheta_{case}$	$U_{Nmax}$
70°C	$U_N \times 1$
80°C	$U_N \times 0,8$
90°C	$U_N \times 0,6$
100°C	$U_N \times 0,4$

Min. Operating temperature	$\vartheta_{min}$	-55 °C
Max. Operating temperature ( $I_R=0$ )	$\vartheta_{max}$	+105 °C
Storage temperature	$\vartheta_{Lager}$	+105 °C
Thermal resistance (case hotspot)	$R_{th}$	4,5 K/W
Climatic category DIN IEC 68/1		55/105/21

Test voltage between terminals	$U_{TT}$	1050 V dc / 2s
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Life expectancy @ hot spot 60°C		45000 h
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#### General data

Coating	plastic tape with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	tinned copper
Weight	approx. 0,48 kg

RoHS compliant