



Technical data

Nominal capacitance	C_N	450 μ F \pm 10%
Nominal voltage dc	U_{NDC}	850 V
Surge voltage	U_S	1275 V
Energy	W_N	163 Ws
Max. AC current @ $T_{case}=30^\circ$ C/10 kHz	I_{RMS}	140 A
Max. Peak periodic current	$\hat{I}_{periodic}$	7,2 kA
Max. Pulse rise time	$\Delta U/\Delta t$	16 V/ μ s
Dissipation factor @ 1 kHz	$\tan\delta$	<20 $\times 10^{-4}$
Series resistance @ 10 kHz	R_{ESR}	<0,7 m Ω
Self inductance	L_E	<15 nH

Dimensions

Length	L	357	\pm 1 mm
Width	B	99	\pm 1 mm
Height	H	55	\pm 1 mm

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

@ ϑ_{case}	I	P_{max}
40°C	130 A	11 W
50°C	115 A	8,6 W
60°C	97 A	6,2 W
70°C	75 A	3,7 W

U_N -Derating

@ ϑ_{case}	U_{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	ϑ_{min}	-40 °C
Max. Operating temperature ($I_R=0$)	ϑ_{max}	+85 °C
Storage temperature	ϑ_{Lager}	-40...+85 °C
Thermal resistance (case hotspot)	R_{th}	1 K/W
Climatic category DIN IEC 68/1		40/085/21

Test voltage between terminals U_{TT} 1275 V dc / 2s

Life expectancy @ hot spot 60°C 1 000 h

General data

Coating	plastic case with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	tinned copper terminals
Weight	approx. 1250 g
RoHS compliant	