

Technical data

Nominal capacitance	C_N	200 $\mu\text{F} \pm 5\%$
Nominal voltage dc	U_{NDC}	1300 V
Surge voltage dc	U_S	1950 V
Energy	W_N	169 Ws
Max AC current at $T_{\text{case}}=30^\circ\text{C}$	I_N	50 A
Max. Peak current	\hat{I}	1600 A
Max. Pulse rise time	$\Delta U/\Delta t$	8.1 V/ μs
Series resistance at 10kHz	R_S	< 15 m Ω
Dissipation factor at 1kHz	$\tan\delta$	< 200 $\times 10^{-4}$
Min. Operating temperature	ϑ_{min}	-40 $^\circ\text{C}$
Max. Operating temperature	ϑ_{max}	+70 $^\circ\text{C}$
Storage temperature	ϑ_{Lager}	-45...+85 $^\circ\text{C}$
Thermal resistance	R_{th}	2,1 $^\circ\text{C/W}$
Climatic category DIN IEC 68/1		40/070/21

Max Power Loss at 10kHz

I_{MAX}	Case Temp	P_{MAX}
44A	40 $^\circ\text{C}$	21.4 W
37A	50 $^\circ\text{C}$	15.1 W
31A	60 $^\circ\text{C}$	10.7 W
26A	70 $^\circ\text{C}$	7.6 W

U_N Derating

U_{NMAX}	Case Temp
$U_N \times 1$	$\leq 70^\circ\text{C}$
$U_N \times 0.9$	$\leq 75^\circ\text{C}$
$U_N \times 0.8$	$\leq 80^\circ\text{C}$
$U_N \times 0.7$	$\leq 85^\circ\text{C}$

Test Data

Test voltage between terminals	U_{TT}	1950 V dc / 2s
Test voltage between terminal/case	U_{TC}	3600 V ac / 10s

Life expectancy @ hot spot

100 000 h
60 $^\circ\text{C}$

General technical data

Casing material	Aluminium
Base Stud	M12 x 16, max torque 6Nm
Dielectric	Polypropylene
Terminals	Nickel plated brasse studs, M8 x 18, max torque 6Nm
Weight	1.0 kg

