

LCap part number : PPM 165-185.0 ru (K)

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Version : 1.1

Technical data

Nominal capacitance	C_N	185 $\mu\text{F} \pm 10\%$
Nominal voltage dc	U_{NDC}	1650 V
Surge voltage	U_S	2475 V
Energy	W_N	252 Ws
Max. AC current @ $T_{\text{case}}=30^\circ\text{C}/10\text{ kHz}$	I_{RMS}	115 A
Max. Peak periodic current	$\hat{I}_{\text{Periodic}}$	10 kA
Max. Pulse rise time	$\Delta U/\Delta t$	54 V/ μs
Dissipation factor @ 1 kHz	$\tan\delta$	$<20 \times 10^{-4}$
Equivalent series resistance @ 10 kHz	R_{ESR}	$<2\text{ m}\Omega$

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

@ ϑ_{case}	I	P_{max}
40°C	105 A	11 W
50°C	93 A	8.7 W
60°C	78A	6.2 W
70°C	61 A	3.7 W

Min. Operating temperature	ϑ_{min}	-25 °C
Max. Operating temperature ($I_R=0$)	ϑ	+85 °C
Storage temperature		-40...+85 °C
Thermal resistance (case hotspot)	R	1 K/W
Climatic category DIN IEC 68/1		25/085/21

Test voltage between terminals U_{TT} 2475 V dc / 2s

Life expectancy @ hot spot 60°C : 30 000 hours
Expected number of discharges at 25°C, <85% reverse voltage : 50 million

General data

Coating	plastic case with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	brass nickel plated, max. torque 4 Nm
Weight	approx. 2,5 kg

Dimensions

Length	L	197,0	$\pm 2\text{ mm}$
Width	B	116,0	$\pm 1\text{ mm}$
Height	H	95,0	$\pm 1\text{ mm}$
Pitch	RM	50,0	$\pm 0,5\text{ mm}$

