

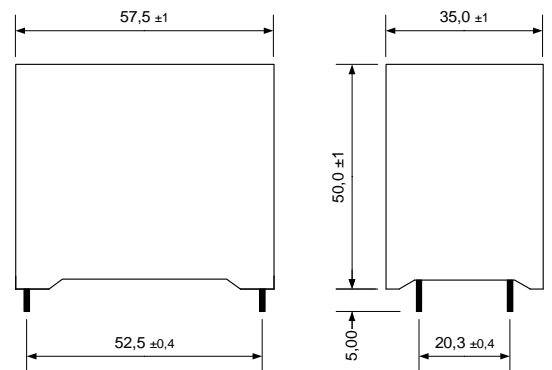
LCap p/n : PL-4 80-60.0 g (K)

Technical data

Nominal capacitance	C_N	60 $\mu\text{F} \pm 10\%$
Nominal voltage dc	U_{NDC}	800 V
Surge voltage	U_S	1200 V
Energy	W_N	19,2 W
Max. AC current @ $T_{\text{case}}=30^\circ\text{C}/10\text{ kHz}$	I_{RMS}	27 A
Max. Peak periodic current	$\hat{I}_{\text{periodic}}$	780 A
Max. Pulse rise time	$\Delta U/\Delta t$	13 V/ μs
Dissipation factor @ 1 kHz	$\tan\delta$	21 $\times 10^{-4}$
Series resistance @ 10 kHz	R_{ESR}	<5,5 m Ω

Dimensions

Length	L	57,5	$\pm 1\text{ mm}$
Width	B	35	$\pm 1\text{ mm}$
Height	H	50	$\pm 1\text{ mm}$
Pitch	RM	52,5	$\pm 0,4\text{ mm}$
Pitch2	RM	20,3	$\pm 0,4\text{ mm}$



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

@ ϑ_{case}	I	P_{max}
40 °C	25,2 A	3 W
50 °C	22,2 A	2,3 W
60 °C	18,8 A	1,7 W
70 °C	14,6 A	1 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}	+85 °C
Thermal resistance (case hotspot)	R_{th}	7 K/W
Climatic category DIN IEC 68/1		40/085/21

Test voltage between terminals U_{TT} 1200 V dc / 2s

Life expectancy @ hot spot 60°C 100 000 h

General data

Coating	plastic case with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	4x tinned copper wire $\varnothing 1,2\text{ mm}$
Soldering conditions	max. 260°C / 10 sec
Weight	approx. 0,121 kg

RoHS compliant