

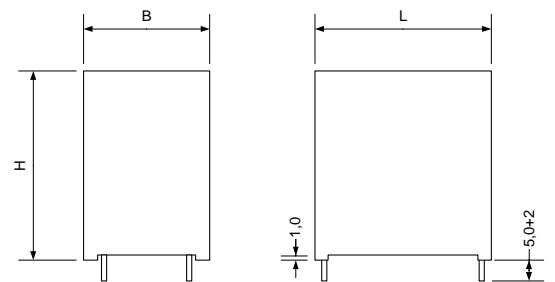
LCap p/n : PL-4 80-30.0 g (K)

### Technical data

Nominal capacitance	$C_N$	30 $\mu\text{F} \pm 10\%$
Nominal voltage dc	$U_{\text{NDC}}$	800 V
Surge voltage	$U_S$	1200 V
Energy	$W_N$	9,6 W
Max. AC current @ $T_{\text{case}}=30^\circ\text{C}/10\text{ kHz}$	$I_{\text{RMS}}$	27 A
Max. Peak periodic current	$\hat{I}_{\text{Periodic}}$	600 A
Max. Pulse rise time	$\Delta U/\Delta t$	20 V/ $\mu\text{s}$
Dissipation factor @ 1 kHz	$\tan\delta$	$12 \times 10^{-4}$
Series resistance @ 10 kHz	$R_{\text{ESR}}$	<5 m $\Omega$

### Dimensions

Length	L	42,5	$\pm 1\text{ mm}$
Width	B	30	$\pm 1\text{ mm}$
Height	H	45	$\pm 1\text{ mm}$
Pitch	RM	37,5	$\pm 0,4\text{ mm}$
Pitch2	RM2	20,4	$\pm 0,4\text{ mm}$

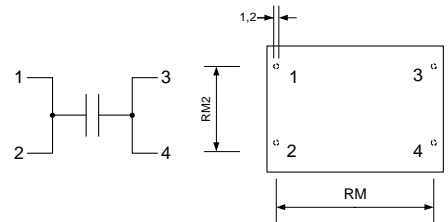


Max. Power loss @  $\vartheta_{\text{hotspot}} 85^\circ\text{C}$  / nat. convection / 10kHz

@ $\vartheta_{\text{case}}$	I	$P_{\text{max}}$
40 °C	24,4 A	3,0 W
50 °C	21,7 A	2,3 W
60 °C	18,4 A	1,7 W
70 °C	14,2 A	1,0 W

### $U_N$ -Derating

@ $\vartheta_{\text{case}}$	$U_{\text{Nmax}}$
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	$\vartheta_{\text{min}}$	-40 °C
Max. Operating temperature ( $I_R=0$ )	$\vartheta_{\text{max}}$	+85 °C
Storage temperature	$\vartheta_{\text{Lager}}$	+85 °C
Thermal resistance (case hotspot)	$R_{\text{th}}$	10 K/W
Climatic category DIN IEC 68/1		40/085/21

Test voltage between terminals  $U_{\text{TT}}$  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	tinned copper wire $\varnothing 1,2\text{ mm}$
Soldering conditions	max. 260°C / 10 sec
Weight	approx. 0,07 kg

RoHS compliant