Leclanché Capacitors
48, av. de Grandson
1400 Yverdon, Switzerland

Tel. +41 24 445 66 88
Fax +41 24 445 66 89
capinfo@LCap.ch
www.LCap.ch

Part number : CXPLP 120-118.0 t6 (K)

date: 04/06/2014 09:38:00
issued by: HT
version: 1.0
04.06.2014 10:27

Technical data

Nominal capacitance	C_N	118	µF ± 10%
Nominal voltage dc	U_{NDC}	1200	V
Surge voltage	U_S	1800	V
Energy	W_N	85	Ws
Max. AC current @ T_{case}=30°C/10 kHz	I_{RMS}	83	A
Max. Peak periodic current	$\hat{I}_{Periodic}$	2173	A
Max. Pulse rise time	$\Delta U/\Delta t$	18,4	V/µs
Dissipation factor @ 1 kHz	tanδ	<30	$x10^{-4}$
Equivalent series resistance @ 10 kHz	R_{ESR}	<3	mΩ
Self inductance	L_E	10,5	nH

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

@ ϑ_{case}	I	P_{max}
40°C	75 A	14 W
50°C	67 A	11 W
60°C	56 A	7,8 W
70°C	44 A	4,7 W

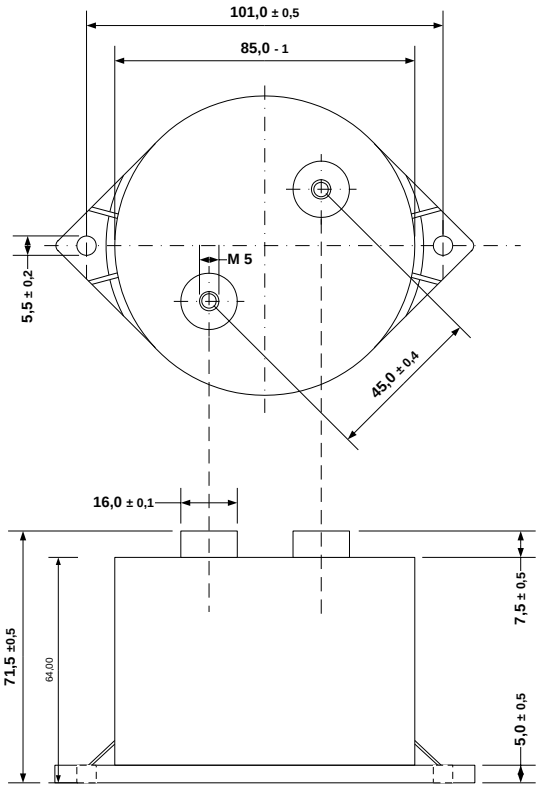
U_N-Derating

@ ϑ_{case}	U_{Nmax}
70°C	U_N x 1
75°C	U_N x 0,9
80°C	U_N x 0,8
85°C	U_N x 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}	3,5	K/W
Climatic category DIN IEC 68/1		40/085/21	
Test voltage between terminals	U_{TT}	1800	V dc / 2s
Life expectancy @ hot spot 60°C		100 000	h

Dimensions

Diameter	Ø	85,0	-1 mm
Length	L	64,0	±0,5 mm
Pitch	RM	45,0	±0,4 mm



General data

Coating	plastic case with resin sealing Flame retardant according to UL 94V-0
Dielectric	polypropylene
Terminals	brass nickel plated, max. torque 6 Nm
Weight	approx. 480 g

RoHS compliant