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LCap Part number : CXPLP 80-260.0 ts2 (K)

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Technical data

Nominal capacitance	C_N	260	µF ± 10%
Nominal voltage dc	U_{NDC}	800	V
Surge voltage	U_S	1200	V
Energy	W_N	83,2	Ws
Max. AC current @ T_{case}=30°C/10 kHz	I_{RMS}	117,4	A
Max. Peak periodic current	$\hat{I}_{Periodic}$	3,2	kA
Max. Pulse rise time	$\Delta U/\Delta t$	12,3	V/µs
Dissipation factor @ 1 kHz	tanδ	<23	$x10^{-4}$
Equivalent series resistance @ 10 kHz	R_{ESR}	<1,5	mΩ
Self inductance	L_E	10,5	nH

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

@ ϑ_{case}	I	P_{max}
40°C	106,2 A	14,1 W
50°C	93,6 A	10,9 W
60°C	79,1 A	7,8 W
70°C	61,3 A	4,7 W

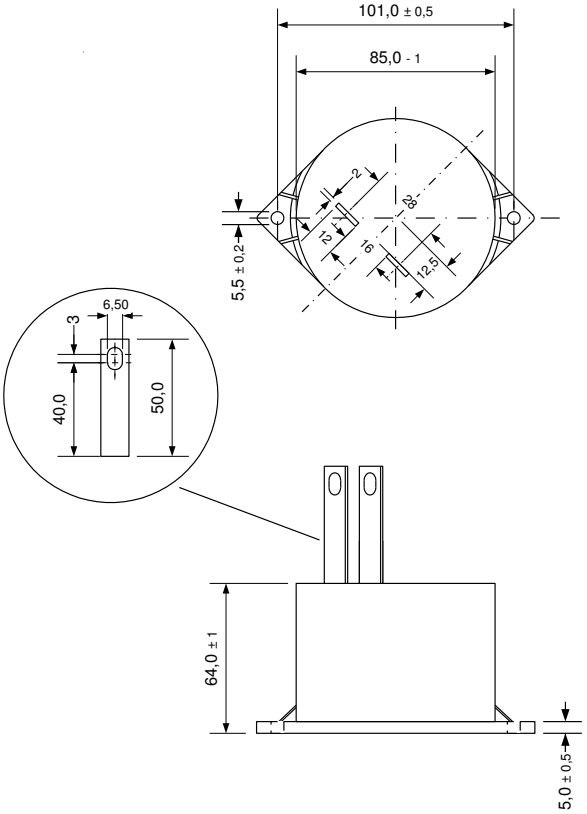
U_N-Derating

@ 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}	3,4	K/W
Climatic category DIN IEC 68/1		40/085/21	
Test voltage between terminals	U_{TT}	1200	V dc / 2s
Test voltage between terminal/case	U_{TC}	2600	V ac / 10s
Life expectancy @ hot spot 60°C		100 000	h

Dimensions

Diameter	Ø	85,0	-1 mm
Length	L	64,0	±1 mm
Pitch	RM	28,0	±0,4 mm



General data

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

RoHS compliant